



american renewable energy
INSTITUTE

Presents the 15th Annual AREDAY Summit

AREDAY

American Renewable Energy Day™



2018

**Global Security, Conservation Capitalism & Regeneration:
Whole Systems Solutions to Climate Change**



“We need to respect the oceans and take care of them as if our lives depended on it. Because they do.”

— Sylvia Earle



Since 2004 bringing leaders and educators together to promote the rapid implementation of renewable energy and energy efficient strategies as practical solutions to the climate crisis through presentation, demonstration, performance, film and dialogue.

Global Security, Conservation Capitalism & Regeneration: Whole Systems Solutions to Climate Change

WELCOME TO THE 15TH ANNIVERSARY AREDAY SUMMIT, IMPACT FILM, Expo, AREDAY Electric and Concert.

Our theme this year is *Global Security, Conservation Capitalism and Regeneration: Whole Systems Solutions to Climate Change*.

What does it mean to have Global Security in 2018? The challenges of humanity and life on Earth are ever escalating, and range from the threat of nuclear war to precious Arctic ice melting along with the Greenland Ice Sheet and the Antarctic. Oceans are acidifying and over half of the world's coral reef has bleached due to a warming world. Species and habitat loss is rampant. CO2 emissions and climate change advances are at a turning point in 2020 - to reverse or not, and the list goes on. The solutions are front and center and at the American Renewable Energy Institute we focus on 10% of the problem and pursue 90% of the solution. This year's AREDAY Summit is an invitation to join us in the exploration of solutions and the collaborations for implementation.

In Aspen/Snowmass, Colorado we have gathered over 160 of the world's leading minds and innovators for four days of discussions and deliberations to tackle solutions to these very pressing issues. While the life support systems of Mother Earth are crashing, we must press on to the possible. From finance and soil regeneration to creating carbon markets and "mining the sky"; from the new carbon economy to saving the wild intelligence of the deep blue sea, this year we go where we have never been before. The solutions abound. They are everywhere. We have only to implement, accelerate and replicate. We know we have the technology to solve the problems. But we need more than technology - we need wisdom and courageous hearts, a global shift in values and priorities in order to galvanize universal common cause around both the problems and the solutions as well - and as one humanity. The questions are: do we have what it takes; do we have the will to make it happen - in time?

Please forge the strategic partnerships and collaborations necessary while you are here at the AREDAY Summit that push action and accelerate solutions.

We would like to thank all our dedicated speakers, facilitators, volunteers and core team. In particular, we want to thank our sponsors who, through their generous support, allow us to carry out the AREDAY Summit and the work of AREI. We are committed to creating a Global Climate Coalition - a constellation of events, organizations, businesses, and leaders from around the world coming together in solidarity to amplify and advance the rapid implementation of a low carbon future for our children, grand children, and generations of all life on Earth to come.

Thank you for contributing your vision, experience, imagination, wisdom, leadership and most importantly your time.

Urgency is upon us. Let history remember our commitments made here.

For the Future,



Chip Comins
Founder & Chairman, AREI



Sally A. Ranney
Co-Founder & President, AREI



Monday, June 18

Grand Ballroom, Viceroy Hotel

Morning Session - Our Life Support Systems at Risk: Reclamation & Recovery

Morning Host - **Amy Lewis** *WILD Foundation*

7:30 am **Registration and Continental Breakfast**

8:30 am **Welcoming Remarks**

Chip Comins *AREI*
Sally Ranney *AREI*

8:45 am **Blessings and Reflections**

Kenny Frost *Southern Ute Elder*
Reverend Gerald Durley *Interfaith Power and Light*

9:00 am **Opening Keynote Address**

Blue Heart of the Planet: Oceans = Life

Sylvia Earle *Mission Blue & The Sea Alliance; Ocean Elder*

9:30 am **Panel Discussion**

Ocean Elders Take a Look Through the Periscope: What's on the Horizon for Oceans?

Moderator: Catherine Novelli *Listening for America; Ocean Elder*
Sylvia Earle *Mission Blue & The Sea Alliance; Ocean Elder*
Jean-Michel Cousteau *Ocean Futures; Ocean Elder*

10:15 am **Keynote Address**

Love Sweet Love

Claes Nobel *United Earth*

10:30 am **Armchair Conversation**

The Evolution of Technology & Ethics: The Nobel Values in a Time of Great Challenge

Sally Ranney *AREI*
Claes Nobel *United Earth*
Marcus Nobel *United Earth*

Interstitial

Yoga Stretches

River Morgan

10:45 am **Keynote Address**

The Battle to Save Wild Blue Intelligence: Of Whales & Men

Captain Paul Watson *Sea Shepherd Conservation Society*

11:00 am **Panel Discussion**

'We the People' and the Ocean Commons

Moderator: Rutherford Seydel *The Oxygen Project*
Melody S. Brenna *Reef Life Restoration*
Hannah Testa *Hannah4Change*

11:30 am **Keynote Address**

The Blue Economy: Remedy or Sacrifice?

Catherine Novelli *Listening for America; Ocean Elder*

11:45 am **Armchair Conversation**

Riding the Waves: Intergenerational Hope and Action

Moderator: Chip Comins *AREI*
Jean-Michel Cousteau *Ocean Futures Society; Ocean Elder*

12:00 pm **Luncheon Break**

Quick lunch break – select from a variety of buffet items
We are offering and delicious and nutritious lunch that will be served on reusable items

12:15 pm **Luncheon Armchair Discussion**

If Not Now, When?

Utilities Transitioning and the 7x7 Initiative

Moderator: Sally Ranney *AREI*
Jon Goldin-Dubois *Western Resource Advocates*
David L. Eves *Xcel Energy Colorado*

12:45 pm **Luncheon Armchair Concludes**

Book Signings at Explore Books in the Spa Reception Area

Return to seats by 1:15pm

Afternoon Session - Nature Needs Half

Afternoon Host - **Osprey-Orielle Lake** *Women's Earth and Climate Action Network (WECAN)*

Memorial Honoring

Bob Gough 1950-2017

AREI Board Member, Secretary Intertribal Council on Utility Policy (COUP)

1:15 pm **Keynote Address**

Call of the Wild: Nature Needs Half

Vance Martin *WILD Foundation*
with Ashley Judd & Sally Cox *Bonobo Conservation Initiative*
Video from the Congo (1 Min)

1:30 pm **Panel Discussion**

In Wildness is the Preservation of the World

Moderator: Vance Martin *WILD Foundation*
Steve Michelson *The Fund for Sustainable Tomorrows*
Amy Lewis *WILD Foundation*

2:00 pm **Keynote Address**

Red Alert: Traditional Ecological Knowledge = Regeneration, Relationships, Redesign & Resilience

Daniel Wildcat *Haskell Indian Nations University*

2:15 pm **Keynote Address**

Transforming the Worldview

Anita Sanchez *Pachamama Alliance*

2:30 pm **Panel Discussion**

Indigenous Knowledge: Ancient Wisdoms Can Restore Today's World

Moderator: Anita Sanchez *Pachamama Alliance*
Osprey-Orielle Lake *Women's Earth and Climate Action Network*
Phyllis Bald Eagle *Lakota Elder*
Daniel Wildcat *Haskell Indian Nations University*

Interstitial

Yoga Stretches

River Morgan

Global Security, Conservation Capitalism & Regeneration: Whole Systems Solutions to Climate Change

3:00 pm Panel Discussion
Wildlife Protection Strategies: Spinning in the Web of Life
 Moderator: Corey Lockman *Wildlife Protection Solutions*
 Will Roush *Wilderness Workshop*
 Eli Weiss *WildiZe Foundation®*
 Brian Badger *Cheetah Conservation Fund*
 Paul Watson *Sea Shepherd*

3:45 pm Keynote Address
The Politics of Drawdown
 Nick Thomas *Independent Candidate for Colorado's 2nd Congressional District*

4:00 pm Keynote Address
Climate Change and the Energy Transition: Between Hope and Despair
 Jules Kortenhorst *Rocky Mountain Institute*

4:15 pm Keynote Address
Green Bridge to China: a Low-Carbon Ecological Civilization
 Daniel Fung *UNDP United Nations Peace and Development Foundation*

4:30 pm Armchair Conversation
EarthX
 Trammell Crow *EarthX*
 Rob Sisson *ConservAmerica*

5:00 pm Keynote Address
The Power of Blockchain
 Peter Hirshberg *Swytch*

5:15 pm Closing Remarks
 Chip Comins *AREI*
 Sally Ranney *AREI*

Monday Evening Program

Grand Ballroom, Viceroy Hotel
Evening Host - Vasser Seydel

6:15 pm Networking Reception
Appetizers and Cash Bar
Hosted by Keeling Curve Prize
 Remarks by Chris Riley *Guzman Energy*
 Remarks by Jackie Francis *Keeling Curve Prize*



7:00 pm Armchair Conversation
The History of the Climate Movement
 Moderator: Chip Comins *AREI*
 Sally Ranney *AREI, Earth Restoration Alliance*
 Paul Hawken *Project Drawdown*

7:30 pm Short Films
Carbon Negative and Carbon Paradox
Directed by Paul Atkins

7:45 pm Q & A
 Patrick Furlotti *Projects for Good; Global Mana*
 Graciela Chichilnisky *Global Thermostat*
 Chip Comins *AREI*

8:00 pm Interstitial
Oceans to Oceans
 CJ Palmer *Sustainable Soundtracks*

8:05 pm IMPACT FILM
The Last Animals
 Q & A with Kate Brooks *Director and Filmmaker*
 Chip Comins *AREI, Associate Producer, Racing Extinction*

Tuesday, June 19

Grand Ballroom, Viceroy Hotel

Morning Session - Is Democracy a Sustainable Resource?
Morning Host - Bill Becker *Presidential Climate Action Project*

7:00 am Registration and Continental Breakfast

8:15 am Opening Remarks
 Chip Comins *AREI*
 Sally Ranney *AREI*

Daily Blessing
 Phyllis Bald Eagle and Amos Cook *Traditional Lakota Elders*

8:30 am Keynote Address
Is the Climate Change Movement the Civil Rights Movement of Today?
 Reverend Gerald Durley *Interfaith Power and Light*

8:45 am Keynote Address
Democracy and the Future of Energy
 David Orr *Oberlin College*

9:00 am Panel Discussion
How to Create a Climate Majority and Advance Policy Supporting Sustainability in America
 Moderator: Bill Becker *Presidential Climate Action Project*
 Richard Greene *Author; 279 for Change*
 David Orr *Oberlin College*
 John Powers *Alliance for Sustainable Colorado*
 Adam Browning *Vote Solar*

10:00 am Keynote Address
Women and Democracy: Achieving the Essential Balance of Power
 Maggie Fox *Maggie Fox Strategies*

10:15 am Keynote Address
Global Security and Sustainability: Is Democracy the Keystone for Success?
 General (Ret) Wesley Clark *Growth Energy*

10:30 am Armchair Conversation
Globalization and Renewable Energy: Can an "Ecological Civilization" Become Reality?
 General (Ret) Wesley Clark *Growth Energy*
 Catherine Novelli *Listening for America; Former Under Sec. of State*

11:00 am Keynote Address
China and Russia Are Moving Ahead: Is Nuclear Sustainable?
 Tom Blees *Science Council for Global Initiatives (SCGI)*

Interstitial
Yoga Stretches
 River Morgan

11:15 am Panel Discussion
**Innovative Education Models:
 Preparing the Next Generation of Planetary Managers**
 Introductory Remarks: Julie Ann Wrigley *Julie Wrigley Investments*
 Moderator: Bill Brandt *ASU LightWorks®*
 Gary Dirks *Julie Ann Wrigley Global Sustainability Institute, ASU*
 Ariel Anbar *School of Earth and Space Exploration, ASU*
 Daniel Wildcat *Haskell Indian Nations University*

12:00 pm Keynote Address
Training Teachers and Future Citizens and Leaders K – 12
 Katie Ginsberg *Children's Environmental Literacy Foundation*

12:15 pm Panel Discussion
**Taking the Lead Despite National Fallout: Cities Out Front
 on Climate Solutions**
 Moderator: Daniel Kreeger *Association of Climate Change Officers*
 Arlene Burns *Mayor, Mosier, OR*
 Steve Skadron *Mayor, Aspen, CO*
 Markey Butler *Mayor, Snowmass, CO*
 Tim McCollough *Fort Collins Utilities, CO*

12:45 pm Luncheon Break
*Quick lunch break – select from a variety of buffet items
 We are offering a delicious and nutritious lunch that will be
 served on reusable items*

1:00 pm Luccheon Keynote Address
The New Operating System for a Decentralized Economy
 J.Todd Morley *Y2X*

1:15 pm Luncheon Keynote Concludes
Book Signings at Explore Books in the Spa Reception Area
Return to seats by 1:45 pm

Afternoon Session - New Energy Models and Technology on the Move

Afternoon Host - Katie Hoffman ResCo, LLC

1:45 pm Armchair Conversation
Food, Water and Energy: Three in One
 Moderator: Bill Ritter *Former Governor of Colorado*
 Tom Vilsack *Former Governor of Iowa; Former Secretary of Agriculture
 Obama Administration*
 Doug Vilsack *Colorado Department of Natural Resources*

2:15 pm Keynote Address
Preview: The Energy Model of the Future
 Introduction: Chip Comins *AREI*
 Leo Guzman *Guzman Energy*
 Chris Riley *Guzman Energy*

2:30 pm Panel Discussion
New Clean Energy Paradigm for Rural Electric Co-Ops
 Moderator: Megan Gilman *Holy Cross Energy*
 Chris Miller *Guzman Energy*
 Bryan Hannegan *Holy Cross Energy*
 David Hornbacher *City of Aspen Utilities*
 Luis Reyes *Kit Carson Electric Cooperative*

3:15 pm Keynote Address
**Lithium and Batteries: Solution to the Great Energy
 Transformation?**
 James Calaway *Global Geosciences Ltd.*

3:30 pm Armchair Conversation
The States: The 100% Renewable by 2045 – the Hawaii Model
 Henk Rogers *Blue Planet Foundation*
 Jeff Mikulina *Blue Planet Foundation*

Interstitial
Yoga Stretches
 River Morgan

4:00 pm Armchair Conversation
Transforming Markets: A New Model for Gigawatts of Solar
 Matt Cheney *Conveyance Capital*
 Jean-Marc O'Brien *Ardour Capital Investments*

4:15 pm Panel Discussion
Solar Energy: Unstoppable and Advancing Across the Globe
 Moderator: Geoff Greenfield *Third Sun Solar*
 Noah Davis *Solar Rollers*
 D.C. Cordova *Himin Solar China*

4:45 pm Keynote Address
Financing Renewables in the Post PPA World
 Jeff Weiss *Distributed Sun*

5:00 pm Keynote Address
The Uptake on Drawdown
 Paul Hawken *Project Drawdown*

5:30 pm Closing Remarks
 Chip Comins *AREI*
 Sally Ranney *AREI*

Tuesday Evening Program

Grand Ballroom, Viceroy Hotel

**The Inevitable Shift of Power – BlockChain and CrpytoCurrency
 Democratize Finance**

6:30 pm Cash Bar & Appetizers
Open to the Public, Cocktail Attire
 Tickets Available online and at the door. \$100 per person
 Summit Speakers and Paid Attendees Free
Present Summit Credentials at the Door

7:00 pm Opening Keynote
 Bill Tai *Hut 8 Mining*

Global Security, Conservation Capitalism & Regeneration: Whole Systems Solutions to Climate Change

- 7:15 pm Panel Discussion**
Real Life Business Applications in BlockChain
Moderator: Peter Hirshberg *Swytech*
Hanieh Sadat *GenesysOne Capital*
Evan Caron *Swytech*
Michael Longoria *ImpactX*
Bill Tai *Hut 8 Mining*
- 8:00 pm Panel Discussion**
BlockChain for Impact
Moderator: Hanieh Sadat *GenesysOne Capital*
Greg Landua *Terra Genesis International*
David Sabo *Symbol Network*
Hannan Ismail *Climatecoin*
- 8:30 pm Armchair Conversation**
The Look of the Future with Decentralized Electricity Production
Moderator: Chip Comins *AREI*
Marc van Hoof *Power Ledger*
Bill Tai *Hut 8 Mining*
- 9:00 pm Armchair Conversation**
Legal Implications of Financing Cryptocurrencies
Moderator: Sally Ranney *AREI*
Chris Marston *Exemplar Companies*
Mark Chasan *Exemplar Companies*

Wednesday, June 20

Grand Ballroom, Viceroy Hotel

Morning Session - The Uptake on Drawdown

Morning Host - Aaron Berger *Asymmetric Solutions*

- 7:00 am Registration and Continental Breakfast**
- 8:15 am Opening Remarks**
Chip Comins *AREI*
Sally Ranney *AREI*
- Daily Blessing**
Phyllis Bald Eagle *Lakota Elder*
- 8:30 am Panel Discussion**
Citizen Conservatives Leading the Charge on Energy Solutions
Moderator: Heather Reams *Citizens for Responsible Energy Solutions*
Charles Hernick *Citizens for Responsible Energy Solutions*
Rob Sisson *ConservAmerica*
- 9:00 am Panel Discussion**
CO2, Efficiency and the Built Environment
Moderator: Chip Comins *AREI*
Juan Grobler *FridgeWize*
Kevin Carriere *Powertron Global*
Charles Seyfert *FridgeWize*
Jim Kehoe *Cunniffe Architects*
Harry Teague *Teague Architects*
William McDonough – *The New Language of Carbon and Regenerative Urban Agriculture* – 3 min. film

- 9:45 am Keynote Address**
Cryptocurrencies in Latin America for Solar MicroGrid
Veronica Garcia *Bitlumen*
- 10:00 am Panel Discussion**
Resiliency Rebuild: Puerto Rico
Moderator: Tom King *CrossRiver Capital*
PJ Wilson *Solar and Energy Storage Association of Puerto Rico*
Enrique Martinez *WebCapitalists*
Taite McDonald *Holland and Knight*
- 10:30 am Armchair Conversation**
At Scale: A Large University's Commitment and Roadmap to Sustainability
Heidi VanGenderen *University of Colorado Boulder*
David Kang *University of Colorado Boulder*
- Interstitial**
Yoga Stretches
River Morgan
- 11:00 am Keynote Address**
Regenerative Agriculture and Healthy Soils: The Leading Solution to Climate Change
John Roulac *NUTIVA*
- 11:15 am Panel Discussion**
Food Security in the Changing Climate
Moderator: Brook LeVan *Sustainable Settings*
Aaron Makaruk *OSBeehives*
Gregory Landua *Terra Genesis International*
Kate McBride *Other Side Ranch*
Eden Vardy *The Farm Collaborative*
Jerome Osentowski *CRMPI*
- 12:00 pm Armchair Conversation**
Global 2020
Moderator: Chip Comins *AREI*
Michael Smith *Ponvalley*
- 12:15 pm Luncheon Break**
Quick lunch break – select from a variety of buffet items
We are offering and delicious and nutritious lunch that will be served on reusable items
- 12:30 pm Luncheon Armchair Discussion**
Theory and Practice of Nurture Capital: Building American Resilience
Moderator: Sally Ranney *AREI*
Woody Tasch *Slow Money*
Roger Sorkin *American Resilience*
- 1:00 pm Luncheon Armchair Concludes**
Book Signings at Explore Books in the Spa Reception Area
Return to seats no later than 1:30pm

Afternoon Session - Financing Drawdown: The Role of Investment and Philanthropy

Afternoon Host - **Geoff Greenfield** *Third Sun Solar*

- 1:30 pm Keynote Address**
Could the Oceans be the Answer? Tidal Wave and Wind Energy
 Jim Dehlsen *Ecomerit Technologies*
- 1:45 pm Keynote Address**
Don't Forget Nature: Lives Depend On It
 Collin O'Mara *National Wildlife Federation*
- 2:00 pm Armchair Conversation**
Land Use and Smart Planning in the West
 John McBride *Sopris Foundation*
 Paul Anderson *Author*
- 2:15 pm Panel Discussion**
**Countless Solutions, Limited Funds:
 The Role of Philanthropy in Addressing Climate Change**
 Moderator: Emma Hutchinson *Tom Ford Fellow, MacArthur Foundation*
 Dana Bourland *JPB Foundation*
 Shamar Bibbins *The Kresge Foundation*
 Shawn Reifsteck *ClimateWorks Foundation*
 Aimee Witteman *Midwest Climate and Energy Program, McKnight Foundation*
 Erin Rogers *Environment Program, William and Flora Hewlett Foundation*
- 3:15 pm Keynote Address**
2020 – The Climate Change Turning Point: The Matrix of Our Choices
 Anthony Hobley *Carbon Tracker Initiative*
- 3:30 pm Keynote Address**
The \$1 Trillion Investment Campaign: Financing Drawdown
 Mindy Lubber *Ceres*
- 3:45 pm Panel Discussion**
Targeting Investment and Policy Strategies to CCS and the Highest Ranking Drawdown Solutions
 Moderator: Sally Ranney *AREI*
 Mindy Lubber *Ceres*
 Anthony Hobley *Carbon Tracker*
 Matthew Norden *PRIME Coalition*
- 4:15 pm Keynote Address**
Preventing Cascading Collapses: Rethinking Growth and Charting the Path to a Steady State Economy
 Brian Czech *Center for the Advancement of Steady State Economy*
- 4:30 pm Panel Discussion**
**Warriors, Wisdom and Leadership:
 Women Trailblazing the Transformation to Sustainability**
 Moderator: Amanda Ellis *Julie Ann Wrigley Global Institute of Sustainability ASU Hawaii*
 Brianne West *Ethique*
 Kristen Linzy *SolarSPELL ASU*
 Jennifer Nielsen *ekko world*
 Osprey Orielle Lake *Women's Earth and Climate Action Network*
 Jane Sloane *Asia Foundation*

- 5:30 pm Closing Remarks**
 Chip Comins *AREI*
 Sally Ranney *AREI*

Wednesday Evening Program

Grand Ballroom, Viceroy Hotel

IMPACT FILMS and A Provocative Conversation with Hawk Newsome, Black Lives Matter, and Reverend Gerald Durley, Interfaith Light and Power

- 7:00 pm Cash Bar & Snacks**
- 7:30 pm Armchair Conversation**
We Shall Overcome: Where Can the Racial Justice and Climate Justice Movements Meet?
 Moderator: Chip Comins *AREI*
 Reverend Gerald Durley *Interfaith Light and Power*
 Hawk Newsome *Black Lives Matter*
- 8:00 pm IMPACT FILM**
The Human Element
 with James Balog *Earth Vision Institute and Extreme Ice Survey*

Thursday, June 21

Grand Ballroom, Viceroy Hotel

Morning Session - Achieving the New Carbon Economy: Bold Ideas, Technology, Sustainability and Peace

Morning Host - **Abby Stern** *Lead with Love*

- 7:00 am Registration and Continental Breakfast**
- 8:15 am Welcoming Remarks**
 Chip Comins *AREI*
 Sally Ranney *AREI*
- Daily Blessing**
 Kenny Frost *Southern Ute Elder*
 Phyllis Bald Eagle and Amos Cook *Lakota Elders*
- 8:30 am Keynote Address**
Electric Highway: Charging EVs While Driving
 Allie Kelly *The Ray*
- 8:45 am Keynote Address**
Millenials on the Move: Financing a Low Carbon Economy
 Katie Hoffman *ResCo, LLC*
- 9:00 am Panel Discussion**
The New Carbon Economy
 Moderator: Bill Brandt *ASU LightWorks®*
 Klaus Lackner *The Center for Negative Carbon Emissions, ASU*
 Ellen Stechel *ASU LightWorks®*
 Keith Paustian *Natural Resource Ecology Laboratory CSU*
 Peter Boyd *Formerly Carbon War Room; Center for Business and the Environment*

Global Security, Conservation Capitalism & Regeneration: Whole Systems Solutions to Climate Change

- 10:00 am** **Keynote Address**
**The Marine Arctic Peace Sanctuary:
A Bold Vision to Keep It In the Ground**
Parvati *MAPS Parvati.org*
- 10:15 am** **Panel Discussion**
**Sustainability and Peace are Inseparable:
Fast-Tracking Peace in a World of Turmoil**
Moderator: Chip Comins *AREI*
Christopher Salata *Peace Accelerators*
Susanna Choe *Peace Accelerators*
Lindsay Gonzalez *EarthToday Foundation*
with Ashley Judd & Sally Coxe *Bonobo Conservation Initiative*
Video from the Congo (1 Min)
- Interstitial**
Yoga Stretches
River Morgan
- 10:45 am** **Keynote Address**
Grenades and Mine Fields to Gardens
Heidi Kuhn *Roots of Peace*
- 11:00 am** **Armchair Conversation**
Technology to Facilitate Change and Support Change Agents
Moderator: Lisa Altieri *Climate Solutions Net*
Ruari McKenna *Care2*
Danny Copeland *Rolex Scholar Underwater Photographer
& VR Specialist*
- 11:30 am** **Panel Discussion**
**Architects of the Future and Evolutionary Strategists:
Thinking Differently about Solutions**
Moderator: Sandra Kwak *10Power*
Jackie Francis *Keeling Curve Prize*
Katie Hoffman *ResCo, LLC*
- 12:00 pm** **Keynote Address**
**Health and Well-Being: An Entry Point to Non-Partisan
Climate and Sustainability Policy**
Peter Fiekowsky *Healthy Climate Alliance*
- 12:15 pm** **Luncheon Break**
Quick lunch break – select from a variety of buffet items
We are offering and delicious and nutritious lunch that will be
served on reusable items
- 12:30 pm** **Luncheon Armchair Discussion**
**Freeriders, Olympians and Explorers Taking on the
Climate Challenge**
Barney Swan *2041 ClimateForce*
Mario Molina *Protect Our Winters*
- 1:00 pm** **Keynote Address**
Rocky Mountain Wolf Project
Mike Phillips & Shaya *TESF*
- 1:15 pm** **Luncheon Armchair Discussion Concludes**
Book Signings at Explore Books in the Spa Reception Area
Return to seats no later than 1:30pm

Afternoon Session - Films, Families, Activists and Adventurers: Changing Minds and Influencing Solutions

Afternoon Host - **Barney Swan** *2041 ClimateForce*

- 1:30 pm** **Keynote Address**
Doubling Down on Ocean Recovery
Greg Stone *Conservation International*
- 1:45 pm** **Panel Discussion**
Blue Plastic and Ocean Rescue
Moderator: Greg Reitman *Blue Water Entertainment*
Hannah Testa *Hannah4Change*
Robin Tyner *DEPLOY/US; CRS*
Dianna Cohen *Plastic Pollution Coalition*
Greg Stone *Conservation International*
- 2:30 pm** **Armchair Conversation**
**A Family's Intergenerational Commitment to Conversation
and a Better World**
Moderator: Sally Ranney *AREI*
Pat Mitchell *Women's Media Center*
Scott Seydel *Ellen MacArthur Foundation*
- Interstitial**
Yoga Stretches
River Morgan
- 3:00 pm** **Keynote Address**
The Beingness of Air
Randy McNamara *Transformational Educator*
- 3:15 pm** **Keynote Address**
The Planet from a New Perspective
Laughlin Artz *2020 or Bust*
- 3:30 pm** **Armchair Conversation**
**Creating Solutions by Understanding and Using the
Realities of 'NOW'**
Moderator: Chip Comins *AREI*
Andrew Scott *Open Mind Project*
- 3:45 pm** **Armchair Conversation**
Reclaiming Dignity
Mynoo Maryel *World Dignity Forum*
Sally Ranney *AREI*
- 4:00 pm** **Panel Discussion**
Power of Film to Change Minds and Influence Solutions
Moderator: Pat Mitchell *Sundance Film Festival*
Jim Balog *Human Element*
Capt. Paul Watson *Chasing the Thunder*
Jon Bowermaster *Oceans 8 Films*
Michael Cain *EARTHx Film*
Paul Atkins *Moana Productions*
- 5:00 pm** **Closing Remarks**
Chip Comins *AREI*
Sally Ranney *AREI*

BROTHERS KEEPER

WITH JEFF PEVAR

21
JUNE

STARTS AT
6:30 PM

Along with
SPECIAL GUESTS



OPENING REMARKS

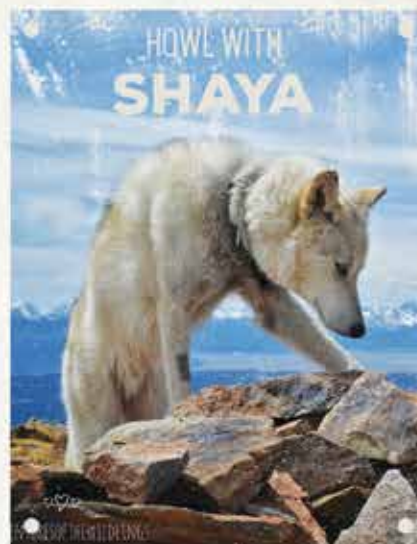


MIKE PHILLIPS
ROCKY MOUNTAIN
WOLF PROJECT AND
TURNER ENDANGERED
SPECIES FUND

SPECIAL GUEST

SHAYA

WITH HANDLER, MICHELLE SMITH
COLORADO WOLF AND WILDLIFE CENTER
WWW.WOLFEDUCATION.ORG



Global Security, Conservation Capitalism & Regeneration: Whole Systems Solutions to Climate Change

Thursday Evening Program

Fanny Hill, Snowmass Village Mall

6:30 pm **FREE Concert with Opening SURPRISE GUEST**

Special Guest: Shaya *Colorado Wolf and Wildlife Center*
with Handler, Michelle Smith *Colorado Wolf and Wildlife Center*
Mike Phillips *RMWP and Turner Endangered Species Fund*

Brothers Keeper with Jeff Pevar

Do One Thing for Planet Earth at the 2018 AREDAY Summit

Planet Earth belongs to everyone. She gives us the air we breathe, the food we eat, and we all call her home. Humanity has reached a critical moment. We must be - the changes we want to see in the world.

Captain Gabriel and crew of the S/V Infinity and EarthToday are sailing to the North Pole where they will plant the Flag of Planet Earth in the ice for peace – Doing one thing for Planet Earth.

Envision a world in which all people recognize their connection. We the citizens of Planet Earth on September 21st – the International Day of Peace – unite humanity under one flag and take a stand for Planet Earth.

#OneForEarth

Lindsey Gonzales
Co-founder Earth Today



The Goodwin Foundation and CORE



through the Energy Smart, REMP, Clean Energy 2020,
Home Energy Assessments and Residential Rebates
support the Greening of Snowmass Village.

Thank you for your support AREDAY18

OF SPECIAL NOTE:



Book Signings & Sales

Explore Booksellers, Aspen



Summit Exhibitors

Aspen Global Change Institute
ASU LightWorks
Cheetah Conservation Fund
Explore Books
Guzman Energy
Julie Ann Wrigley Global Institute of Sustainability
Open Mind Project
Projects for Good, Inc.



Award Presentations

Innovation Leadership Award: Leo Guzman
Climate Hero Award: Paul Hawken
Lifetime Achievement Award: Pat Mitchell & Scott Seydel
Millennial Leadership Award: Erin Schrode
Best IMPACT FILM Award: James Balog
Sustainability Leadership Award: David Orr
Sustainability Education Award: Katie Ginsberg
Visionary Leadership Award: Christopher Salata
Social Good Leadership Award: Patrick Furlotti
American West Clean Energy Leadership Award:
Jon Goldin-Dubois



IN MEMORY OF Bob Gough (1950-2017)

*AREI Board Member, Secretary Intertribal
Council on Utility Policy (COUP)*

This year it is with deep sadness and respect that we remember founding AREI Board member Bob Gough who left us last September. He made 14 AREDAYs. Gough was a Cultural Anthropologist and Attorney who worked tirelessly on behalf of Native Americans and Renewable Energy. His visionary leadership, keen insights, thoughtful commentary and undying commitment to economic and social justice for Native American Tribes will be his lasting legacy. Gough was a brother, mentor, warrior and true friend. His spirit is resting happily now with the ancestors. A life well lived. AHO - Mitakuaye Oyasin.



Lisa Altieri is Founder and CEO of **Climate Solutions Net**, which is empowering people with climate solutions. CSN's web app provides users a fun, easy way to learn about solutions and specific actions they can take including resources and progress tracking, and then connects users to work together and share ideas and resources. Think "Fitbit" meets "Nextdoor" for climate solutions. Altieri's background is a unique blend of experience including data analytics, business management and grassroots organizing. She has designed custom strategic data reporting and analysis tools for Silicon Valley execs as a consultant and organized over 5,000 volunteers in under 18 months as volunteer Regional Field Organizer for the Obama Campaign in 2012. Altieri has a B.S. and M.S. in Environment & Development Economics from UC Berkeley.



Ariel Anbar is a President's Professor at ASU in the School of Earth and Space Exploration and the School of Molecular Sciences, a Distinguished Sustainability Scholar in ASU's Julie Ann Wrigley Global Institute of Sustainability, and a Howard Hughes Medical Institute Professor. Anbar is a scientist and educator exploring Earth's past and future as an inhabited world, and the prospects for life beyond. In science, Anbar and his team have published over 130 refereed papers on topics ranging from the origins of Earth's atmosphere to detecting life on other planets. In education, Anbar directs ASU's Center for Education Through Exploration, which is reinventing online learning around curiosity, exploration, and discovery. A graduate of Harvard (A.B. 1989) and Caltech (Ph.D. 1996), he co-leads ASU's PlanetWorks initiative, which aims to help humanity learn how to manage Earth's future.



Paul Andersen has been a professional writer for 40 years. He writes books and feature articles for regional magazines. He has been a regular columnist and contributing writer with the *Aspen Times* for over 30 years. As a historian and naturalist, Andersen has authored ten books about Aspen and western Colorado. His latest book, *The High Road to Aspen*, won the Colorado Book Award's Gold Medal in June 2015. In 2013, Andersen founded the non-profit Huts For Vets (www.hutsforvets.org), which he designed to help US combat veterans plagued by trauma and other psychological challenges find peace and healing. Andersen leads wilderness hikes and seminars at the Aspen Institute, moderates local library discussion programs, mediates local community planning projects, enjoys philosophy and literature, and hikes, skis and bikes the mountains and deserts of the American West.



Laughlin Artz is the Executive Director of **2020 or Bust**, a nonprofit mobilizing the world to end the climate crisis. A leader and innovator in the fields of cultural transformation and contextual activism, he brings a unique approach to empowering executives and teams in designing and executing global initiatives and visionary projects. Artz is also a transformational educator, filmmaker, and founder of *Context News*. For the past three years, Artz's work has been focused on ending the global climate crisis through citizen engagement and collective action. As a pioneer in making the climate crisis and the ending of it accessible to ordinary people, he has distinguished himself as a world leader and radical change agent, putting the power to solve humanity's most urgent problem in the hands of civil society.



Paul Atkins has filmed for National Geographic, for BBC including such acclaimed series as *Planet Earth*, for IMAX screens, and for Oscar-winning feature films. Atkins' groundbreaking documentaries include *Hawaii: Strangers in Paradise* (Nat Geo/BBC) and *Great White Shark* (BBC/Nat Geo). Atkins was director of photography on Jean-Michel Cousteau's *Voyage to Kure*. He has collaborated with Peter Weir (*Master and Commander*), Alejandro Iñárritu (*The Revenant*), and Terrence Malick (*The Tree of Life*). He filmed the storm sequence for *Master and Commander*, which won the 2004 Academy Award for cinematography. His stunning visuals in *The Tree of Life* contributed to an Oscar nomination for cinematography, and Atkins has continued to work with Malick on *To the Wonder*, *Knight of Cups* and his most ambitious film to date, *The Voyage of Time*.



Brian Badger is the Director of Conservation and Outreach of the **Cheetah Conservation Fund**. Badger's aim is to enlighten people from around the world on the workings, aims and goals of front line conservation. Born and raised in London, U.K., he has worked, coordinated, and been involved with projects throughout Africa, Bangladesh, the Russian Far East, and Europe. Badger's association with CCF stretches back around 16 years including working at the international headquarters in Namibia as Operations Manager for 5 years. With a specialty in holistic conservation, he is a passionate advocate of the practices that embrace the balance of the ecosystem with the collaboration and success of all stakeholders. He has lectured internationally to schools, colleges, universities, zoos, public events and presented on TV and radio.



Phyllis Bald Eagle is my name, my Lakota name is *Naki wi zi pi win* (*Jealous of Her Woman*). My father is Chief Dave Bald Eagle and my ancestors are Little Crow, Chief Hump, and Crazy Horse. I live on the Cheyenne River Sioux Tribe in South Dakota. I also went to Standing Rock to help my relatives fight for water, what we call Mni Wiconi "Water is Life". I am Mnicojou band, so our camp was called Mnicojou, which means "plant by the water". We were there to help our relatives, and we had a lot of experiences there. We are now putting a permanent structured village on my land on the reservation called Native Roots Learning & Healing Village, and individual people or groups can come and experience what we call Wolakota (Way of Life).



James Balog is the Founder and Director of **Earth Vision Institute and Extreme Ice Survey**. For 35 years, he has broken new conceptual and artistic ground on one of the most important issues of our era: human modification of our planet's natural systems. He and his Extreme Ice Survey team are featured in the 2012 internationally acclaimed, Emmy award-winning documentary *Chasing Ice* and in the PBS/NOVA special, *Extreme Ice*. He is the author of *ICE: Portraits of Vanishing Glaciers* and seven other books. His photos have been extensively published in major magazines, including *National Geographic*, and exhibited at museums and galleries worldwide. His upcoming film *The Human Element*, an innovative look at how humanity interacts with earth, air, fire, and water will be released later this year.



William Becker is Executive Director of the **Presidential Climate Action Project**, a 10-year-old initiative that develops recommendations for the federal response to climate change. Becker is a journalist who began his career as a combat correspondent for the U.S. Army during the Vietnam War. During the late 1970s, he proposed and helped accomplish the relocation of a rural town from a floodplain to higher ground, and its reconstruction as America's first passive-solar-heated community. Starting in 1995, under three presidents, he served for 17 years as a senior official at the U.S. Department of Energy, where he developed his expertise in clean energy and climate change mitigation. Becker has authored several books and countless articles on these topics. Now 71, he lives in Golden, CO.



Aaron Berger is the CEO of **Asymmetrical Solutions**. He is a research scientist specializing in pattern recognition, domestic and foreign current events, and technology trends under the lens of existential risk. A core belief of his is that there is always a solution. As a strategic advisor to individuals and organizations, he is interested in finding important solutions to their difficult problems. In his effort to help others see a more systemic perspective, his research methods break down problems into their foundational elements, analysis of which yields new angles and novel solutions. Currently, he is strategic advisor for Sharemeister, a co-chair for the NEXUS Working Group on Energy Innovation & Environment, and an international advisor for Sunrise Movement.



Shamar Bibbins serves as a senior program officer for Environment at **The Kresge Foundation**. Bibbins manages the Environment Program's Climate Resilience and Urban Opportunity Initiative. That initiative supports community-based nonprofit organizations seeking to influence local and regional climate resilience planning, policy development and implementation while reflecting the priorities and needs of low-income people. Bibbins' grantmaking also supports climate adaptation field building efforts in the U.S. and initiatives that advance diversity, equity, and inclusion in the environmental field. Bibbins joined Kresge in 2014, bringing a history of engagement in environmental efforts in the non-profit sector and a strong commitment to action on climate change. Bibbins earned a bachelor's degree in science, technology and society from Vassar College and received a Fulbright Fellowship to Fukushima University in Japan.



Tom Blees is an advanced energy systems consultant currently residing in Florida. He is the author of *Prescription for the Planet - The Painless Remedy for Our Energy & Environmental Crises*. Blees is the president of the Science Council for Global Initiatives (SCGI), an international NGO that includes climatologists, scientists, and engineers involved in cutting-edge energy systems and climate research. He is a member of the selection committee for the Global Energy Prize, considered Russia's equivalent of the Nobel Prize for energy research. He has acted as a consultant and energy systems advisor to private industry and government from the local to the international level. Blees is actively involved in coordinating high-level international cooperation on advanced nuclear power system and fuel cycle projects with the USA, Russia, South Korea, Japan, China, the United Kingdom, South Africa, and other countries.



Dana Bourland, AICP, Vice President of the **JPB Foundation**, created JPB's Environment Program with a focus on a just and clean energy transition, green infrastructure, and environmental health. Bourland prioritizes JPB's Environment grantmaking to benefit the health and well-being of low-income communities. She was Vice President at Enterprise Community Partners where she developed and oversaw all aspects of the award-winning Green Communities program including creation of the first green standard for affordable housing and Enterprise's Multifamily Retrofit Program. Bourland co-created and was Managing Director of the Green Communities Offset Fund. A Returned Peace Corps Volunteer, she is a graduate of Harvard's Graduate Program in Real Estate and holds a Master of Planning Degree from the Humphrey Institute of Public Affairs. She is featured in and has contributed to numerous publications.



Jon Bowermaster, award-winning writer and filmmaker is a six-time grantee of the National Geographic Expeditions Council. Bowermaster was recently named one of a dozen Ocean Heroes by the National Geographic Society. His websites and blogs (www.jonbowermaster.com, www.oceans8films.com) continue his reporting on the world's coastlines and the people who live along them. Author of twelve books, he is also the writer, director and producer of twenty documentary films, most recently *Antarctica 3D*, *On the Edge*, *Sink or Swim*, *Learning the Crawl in the Maldives*, *After the Spill*, *Louisiana Water Stories Part II*, *The Hudson*, *River At Risk*, *Dear Governor Brown* and *Paradise Is There*, a collaboration with partner Natalie Merchant. *Dear President Obama*, *The Clean Energy Revolution Is Now*, produced with and narrated by actor/advocate Mark Ruffalo, premiered in March 2016.



Peter Boyd is the Founder of **Time4Good**, Executive Fellow at Yale University's Center for Business and the Environment, and Mentor-in-Residence at Yale's Tsai Center for Innovative Thinking. He has worked on, led, and advised organizations on strategy, purpose, and climate change solutions. He was Launch Director and COO of Richard Branson's Carbon War Room; Chair of the Energy Efficiency Deployment Office for the UK Department of Energy & Climate Change; and led The B Team's 'Net-Zero by 2050' initiative in the lead-up to COP21. Prior to his environmental work, he spent over a decade at Virgin Group (including CEO of Virgin Mobile South Africa), and started out with McKinsey & Co. He is an Oxford University graduate from Scotland, and lives in Westport CT, serving on the town's Green Task Force.



Bill Brandt is Director of Strategic Integration for **ASU Lightworks** and is an experienced energy executive. After a 30-year career at SOHIO/BP he retired as Director of Mergers and Acquisitions joining Arizona State University to work on renewable energy challenges. As Director of Strategic Integration of ASU LightWorks for Arizona State University's incubator and accelerator for renewable energy technologies, he works across interdisciplinary research programs with national laboratories and major corporations to deliver renewable energy products. Brandt has a B.S. in Chemistry and Environmental Sciences from Principia College and an MBA from Wharton. He is a board member of the social networking communications company, Educated Change, and a producer of renewable liquid fuels from wood biomass and agricultural residues.



Melody Saunders Brenna is CEO Co-Founder of NanoTech Science Company and Reef Life Restoration.

Nano science created to save coral reefs and coastlines, Reef Life's mission is to develop new marine specific nano materials, enhancing oceanic architecture and engineered building techniques, pioneering the next wave of sustainable infrastructure above and below the ocean's surface. Brenna is dedicated to growing companies in multiple industries focused on Nano Materials Science and advanced cement innovation as well as LAM High Performance Building Systems utilizing proprietary cellular concrete technology. She also participates, donates, and raises funds for multiple charitable organizations globally including The Hunger Project. A fourth generation Rotarian, Brenna follows in the footsteps of her family's interest in creating educational opportunities for American youth.



Kate Brooks is an international photojournalist turned filmmaker, who chronicled conflict and human rights issues for nearly two decades before turning her lens to conservation.

Her photographs have been extensively published in *TIME*, *Newsweek*, *Smithsonian*, and *The New Yorker* and exhibited around the world. Brooks' passion for filmmaking was sparked from working as a cinematographer on the documentary *The Boxing Girls of Kabul* in 2010. In 2012-13, she was a Knight Wallace Fellow at the University of Michigan. There she researched the global wildlife trafficking crisis before embarking on directing *The Last Animals*. The documentary premiered at Tribeca on Earth Day in 2017. Brooks' drive and passion for conservation comes from the fundamental belief that time is running out and that we are at a critical moment in natural history.



Adam Browning is the Co-Founder and Executive Director of Vote Solar, a non-profit advocacy organization with the mission of bringing solar energy into the mainstream.

Vote Solar was founded in 2002, and since then has been working on implementing pro-solar policies at the state level, with the goal of jumpstarting the national transition to renewable energy. Vote Solar's headquarters is in Oakland, California, with offices in Denver, Boston, and Washington DC, working to advance solar markets around the country. Browning spent eight years with the U. S. Environmental Protection Agency's San Francisco office, where he won the Agency's top pollution prevention award for developing a program that reduced air emissions of mercury. He received a BA with Distinction from Swarthmore College in 1992, and served with the Peace Corps in Guinea-Bissau, West Africa.



Arlene Burns serves as Mayor of Mosier, Oregon, where a unit-train of Bakken Crude derailed in 2016.

She has been leading her community and region in the fight against fossil fuel infrastructure development ever since. In 2017, she signed the Chicago Climate Charter. With roots as a world-class kayaker and expedition leader, Burns was based in the Himalayas for a decade while guiding extensively in Asia, Siberia, and South America. In 1993, she was Meryl Streep's role model, trainer and double on *The River Wild*. She has worked as a photojournalist, an outdoor industry consultant, and in many aspects of film, including directing Telluride Mountainfilm (2004-2007) and Blue Ocean Film Festival (2010). When not serving as mayor, she still has her hand in film production and guiding custom international explorations.



Markey Butler, Mayor of Snowmass Village, was elected in 2014. Prior to becoming the first woman Mayor of Snowmass Village, Markey served 6 years on the Town Council.

She has a Master's Degree in Health Services Administration and is a registered nurse with more than 30 years of executive management experience in hospitals, nursing homes and hospice and home health settings. She founded HomeCare & Hospice of the Valley in 2009 that now serves over 225 patients per day in Eagle, Pitkin, and Garfield counties. Markey currently serves as President for the Colorado Hospice and Palliative Care Organization, the Pitkin County Public Health Board, and the Western Health Alliance. Markey enjoys volunteering for the Aspen Music Festival and School along with other community nonprofit organizations.



Michael Cain, Co-Founder and President of EarthxFilm, is working with film and media activists to create a sustainable world for all life and future generations thru its annual film festival and programs.

His partner Trammell S. Crow founded EarthX, the leading global connector and environmental nonpartisan forum working to positively impact our world. The 8th edition held in April 2018 had over 137,000 visitors, 650+ organizations, 400 speakers and 84 storytellers in attendance.



James D. Calaway, Chairman of the Board of Global Geosciences Ltd (ASX:GSC.) is a recognized business and civic leader with considerable experience and success in building junior companies into successful commercial enterprises.

He has played major roles in the development of both public and private companies engaged in lithium operations, oil and gas exploration and production, enterprise software and solar farm development in the Lithium industry where he spent the past decade as an early investor and Chairman of the Board of Orocobre Ltd (ASX 200:ORE). Calaway also founded Distributed Power Partners, Inc. (DPP), a company that develops distributed solar power projects in the southern Atacama Desert of Chile. He was formerly Chairman of Board at Datacert, Inc, a worldwide leader in legal operations software from 2000 to January 2014.



Evan Caron is a Founding Partner and Managing Director at Swytch; a blockchain-based platform that tracks and verifies the impact of sustainability efforts and actions on the worldwide level of CO2 emissions.

Caron has over fifteen years of experience in energy and commodity markets, management, and trading. He has an entrepreneurial focus on business strategy and development for information technology, user experience and sustainable and renewable energy globally. He also co-founded Whistler, that specializes in compliance, HR, and governance of enterprise intelligence. Caron is on boards in the energy sector including MP2 Energy, is a member of the American Meteorological Society and was a Managing Director at Mercuria Energy America. He is an active member of the Trailstone Group and develops long term value creation strategies for North American energy businesses.



Kevin Carriere is the President and CEO of **Powertron Global**, the industry leader in thermal transfer efficiency technologies. Carriere is a graduate of LSU with a bachelor's degree in finance. Since taking over the helm at Powertron Global in 2008, Carriere has placed the company at the forefront in the development of NMR nanotechnology, IoT hardware and software solutions for climate control, forensic engineering, sustainable solutions that combine technology, industry expertise and consulting services to help companies reach their sustainability goals through climate control efficiency. Carriere is from Opelousas, LA and now lives in Austin, TX with his family.



Mark Chasan is currently Managing Director of **Exemplar**, professional knowledge firm that integrates Law, Tax/CPA, Investment Banking (FINRA-Member Broker-Dealer), Business Strategy and International Structure to serve revolutionaries, game-changers and eco-social entrepreneurs to help them accelerate and exponentiate their success. Exemplar provides deep domain experience in agtech, aquatech, renewable energy, biomimetic materials, blockchain/crypto, IT, media & entertainment, and cannabis. Chasan brings his experiences as lawyer, structured finance professional, internet entrepreneur with a public exit, whole-systems visionary, organizational integrator, eco-social business consultant and regenerative community developer to foster the "Regenerative Economy" to create ecosystemic thriving for people and planet.



Matt Cheney founded **Conveyance Capital Partners (CCP)** focusing socially responsible impact investments in renewable projects. CCP currently is pursuing multi-gigawatt scale solar projects in North America and Sub-Saharan Africa. Prior, Cheney was the Founder/CEO of CleanPath, a clean power development/finance platform. CleanPath invented "community solar" program in 2004. In 2015, Community Solar became law in California due to his efforts. In 2004, Cheney founded MMA Renewable Ventures, a large-scale solar project developer & tax equity syndicator of solar investments. His efforts included the 1st utility scale solar project (Nellis, 2007). MMA merged into Fotowatio in 2010, then SunEdison in 2011. He has dedicated time to USAID, NRECA, USDOE, SEPA, & ACORE and holds degrees from Johns Hopkins SAIS and American University.



Graciela Chichilnisky, Ph.D. is Co-Founder and Managing Director of **Global Thermostat**. With Ph.D.s in Mathematics and Economics she studied at MIT and UC Berkeley and is Professor at Columbia University, and Visiting Professor at Stanford University. The author of the *Carbon Market of the United Nations Kyoto Protocol* that became international law in 2005 she created the concept of "Basic Needs," which the 1993 United Nations Earth Summit voted the cornerstone of Sustainable Development and the formal theory of Sustainable Development used worldwide today. Called an "A-List Star" by the *Washington Post*, she appeared in the 2009 *Time Magazine* on "Heroes of the Environment," served as a U.S. Lead Author on the Intergovernmental Panel on Climate Change, and as special adviser to several United Nations organizations, heads of State, and the U.S. Congress and was "2015 CEO of the Year."



Susanna Choe is the Co-Founder and President of **Peace Accelerators** and has recently joined Y2X as a co-founder and Chief Cultural Officer. After studying International Affairs at the University of Colorado at Boulder and working in the humanitarian sector, she realized the need to update the infrastructure that connects the world and entered into the blockchain space as the Office & Community Manager of ConsenSys. As Choe has worked across media, education, hospitality, technology, and non-profits, she aims to be a bridge across cultures to create universal understanding and authentic human connection. She loves to curate and produce events with industry leaders to foster collaboration across sectors to co-create solutions, catalyze collective action, and re-distribute resources for a more cooperative, sustainable and peaceful planet.



General Wesley K. Clark is Co-Chair of **Growth Energy**, former NATO Supreme Allied Commander, serves as Chairman and CEO of Wesley K. Clark & Associates, Senior fellow at UCLA's Burkle Center, Advisor at the Blackstone Group, Trustee of International Crisis Group, Founding Chair of City Year Little Rock/North Little Rock, and serves on numerous corporate boards. General Clark has authored four books and is a founding member of the Clinton Global Initiative. Clark retired as a four-star general after 38 years in the United States Army. He graduated first in his class at West Point and completed degrees at Oxford University as a Rhodes Scholar. His awards include the Presidential Medal of Freedom, Defense Distinguished Service Medal, Silver Star, Bronze Star, Purple Heart, and honorary knighthoods from the British and Dutch governments.



Dianna Cohen, Co-Founder and CEO of **Plastic Pollution Coalition (PPC)**, is a passionate advocate for plastic free world. PPC is a growing global alliance of 650 organizations, businesses, and notable thought leaders working toward a world free of plastic pollution and its toxic impact on humans, animals, and the environment. With thirty years as a Los Angeles based visual artist, Cohen has shown her work internationally at galleries, foundations, and museums. Using plastic bags as her primary material in her artwork to make a visual and social impact, Cohen is interested in exploring its materiality through modifications and the material's relationship to culture, media, toxicity, and the world at large. Cohen studied Biology, Art, and Film at University of California, Los Angeles and holds a BA in Fine Arts.



Chip Comins is the Founder, Chairman and CEO of **AREI, Inc.** — the American Renewable Energy Institute and the AREDAY Summit, AREDAY ELECTRIC, EXPO and IMPACT FILM. He is President of American Spirit Productions, Managing Director of W Energy, LLC. and Managing Partner of S&C Capital, LLC. He has produced and directed both long and short form documentary films for educational and broadcast television markets, including PBS, Link TV, BET and Discovery Networks. He is Associate Producer of the 2015 feature documentary film *Racing Extinction*. A long-time advocate of implementing renewable energy to reduce greenhouse gas emissions and climate change, Comins advocates a business approach to solving the climate crisis. In 2009 he produced 13 official side events at the UNFCCC COP15 in Copenhagen and presented at COP16 Cancun in 2010, COP21 Paris in 2015 and COP22 Marrakech in 2016.



Danny Copeland is a freelance multimedia specialist focused on creating digital content that aids in marine conservation. Born in a small, seaside town in North Wales, Copeland has always enjoyed learning about and experiencing the natural world. However, after taking his first breaths on SCUBA in 2007, he developed an immediate affinity for life beneath the waves. Combined with an underlying passion for digital media and travel, Copeland has dived and worked on various projects in over 20 countries across all seven continents. In 2015, he spent a year travelling and diving around the world as an OWUSS European Rolex Scholar. His experiences have shown him first-hand the scale in which humans are changing and often devastating our oceans, and as such his love for working in the underwater world has transformed into a passion to contribute towards its conservation.



Dame DC Cordova is Owner and CEO of **Excellerated Business Schools®** a global organization with over 118,000 graduates since 1979 from over 85 countries. Her *Money & You®* program has inspired some of today's best-known business education and wealth experts, and has touched the lives of millions globally. She is a humanitarian, philanthropist, and author. She is the Global Business Developer for the world's leading solar architect, Huang Ming, who created the only Solar Valley and city in the world in which over 7 million inhabitants heat their water and the city street lights are powered by solar energy. Her purpose is to uplift humanity's consciousness through socially-responsible businesses.



Jean-Michel Cousteau is President of the **Ocean Futures Society**. For more than six decades, Cousteau has dedicated himself and his vast experience to communicate to people of all nations and generations his love and concern for our water planet. The son of ocean explorer Jacques Cousteau, he has investigated the world's oceans aboard Calypso and Alcyone for much of his life. Honoring his heritage, Cousteau founded Ocean Futures Society in 1999 to carry on this pioneering work. Ocean Futures Society, a non-profit marine conservation and education organization, serves as a "Voice for the Ocean" by communicating in all media the critical bond between people and the sea and the importance of wise environmental policy. As Ocean Futures Society's spokesman, Cousteau serves as a diplomat for the environment, reaching out to the public through a variety of media and educational programs.



Trammell S. Crow is the Founder of **EarthX** (formerly known as Earth Day Texas), the largest annual exhibition and forum showcasing the latest initiatives, discoveries, research, innovations, policies and corporate practices serving to re-shape the future. With a focus on inspiring environmental leadership across sectors and party lines, Crow serves on the board of directors for ConservAmerica and is a co-founder of Texas Business for Clean Air and Texans for Clean Water. He is also a long-term supporter of the Texas Conservation Alliance, the Nature Conservancy of Texas, Texans for Lawsuit Reform, Log Cabin Republicans, and the League of Conservation Voters. His philanthropy benefits various nonprofit organizations that are active in family planning, education, the environment, community initiatives and political causes.



Brian Czech established the **Center for the Advancement of the Steady State Economy (CASSE)** in 2003 and became CASSE's executive director in 2017. Czech served in the headquarters of the U.S. Fish and Wildlife Service from 1999-2017 and as a visiting professor in Virginia Tech's National Capitol Region during most of that period. He is the author of three books: *Supply Shock*, *Shoveling Fuel for a Runaway Train*, and *The Endangered Species Act*. He has published over 50 academic journal articles in more than 20 peer-reviewed journals. Czech is a frequent speaker, commentator, and a regular contributor to the *Steady State Herald*, CASSE's blog. He has a B.S. from the University of Wisconsin, an M.S. from the University of Washington, and a Ph.D. from the University of Arizona.



Noah Davis created **Solar Rollers** and founded **Energetics Education** to inspire young people to learn about energy and go on to improve the world's energy systems. Before that, he taught secondary school in Victoria, Australia, at a time when accelerating climate change brought years of severe drought and massive bushfires to this idyllic mountain region. Davis and his wife Danika brought two children into the world in Australia - and the infants repeatedly had to be driven hours away to escape the bushfire smoke. It became evident to Davis that teaching potential solutions to climate change now trumped all other subjects. In addition to teaching, he has worked as a journalist, a whitewater raft guide, a video game manual writer, a high-altitude snowmobile guide and a snowboard patroller. He is captain of Team Australia Snow Sculpture.



Jim Dehlsen is Chairman of **Ecomerit Technologies**, working to drive innovation of products for marine renewable energy including utility scale power systems driven by ocean currents and wave energy for its ocean-based products, which include data center modules and subsurface desalination for coastal water supply. In 1980, Dehlsen founded Zond Systems, pioneering, and advancing wind turbine technology to become one of the industry's largest in turbine production and project development. Acquisition by General Electric in 2002 enabled GE's entry into wind energy gaining early global leadership. In 2002, Dehlsen and his son Brent formed Clipper Windpower creating the breakthrough Liberty turbine. Clipper turbine production by 2010 had supplied 18 projects totaling 2 GW of capacity leading to its acquisition by United Technologies. He has achieved *Power Engineering Top 10* most influential people over the past 25 years.



Gary Dirks is Director of **Arizona State University's Julie Ann Wrigley Global Institute of Sustainability** and Director of **LightWorks®**, an ASU initiative that capitalizes on ASU's strengths in solar energy and other light-inspired research. Before joining ASU, Dirks was president of BP Asia-Pacific and BP China. He received a Ph.D. in chemistry from ASU in 1980 and was the first doctoral student to work in the Center for the Study of Early Events in Photosynthesis (now the Center for Bioenergy and Photosynthesis).



Rev. Dr. Gerald Durley is a legendary civil rights advocate who marched with Dr. Martin L. King. As an original Peace Corps Volunteer he served in Africa. After completing four degrees in psychology and theology he assumed positions with the U.S. Department of Education; Deanships at Clark Atlanta University and the Morehouse School of Medicine. He was a pulpit associate at Atlanta's Ebenezer Baptist and is the Pastor Emeritus of Providence Church. As Chair of Interfaith Power and Light he combines the disciplines of faith and science with the lessons learned during the civil rights movement. Dr. Durley asserts that for the environment to be sustained the scientific, political, business, and educational professions *must* collaborate with faith communities to establish a "moral decision-making foundation." He is a White House Champion of Change recipient whose motto is "ORGANIZE, STRATEGIZE, and "MOBILIZE."



Dr. Sylvia A. Earle is a National Geographic Explorer in Residence, Founder of Mission Blue, Founder of Deep Ocean Exploration and Research Inc., Founding Ocean Elder, Chair of the Harte Research Institute Advisory Council, former Chief Scientist of NOAA, author of more than 200 publications, and leader of more than 100 ocean expeditions. She is a graduate of St. Petersburg College and Florida State University with M.A. and PhD. degrees from Duke University with 31 honorary doctorates. Her research concerns the ecology, economics and conservation of marine ecosystems and development of technologies for access to the deep sea. She is the subject of the Netflix documentary, *Mission Blue*, and recipient of more than 150 national and international honors and awards.



Amanda Ellis serves as Executive Director, Hawaii, and Asia Pacific, for the ASU Julie Ann Wrigley Global Institute of Sustainability. She was Special Advisor to the President for International Programs and Partnerships at the East West Center, and prior to that New Zealand Ambassador to the United Nations in Geneva and Prime Minister's Special Envoy. Previously, Ellis led the New Zealand Aid program which included the Pacific Energy initiative to support Island leaders to meet their renewable energy goals and the first ever development partnership between China and an OECD country. Ellis has worked at the World Bank, the IFC and Westpac Banking Corporation (Australia). She is the author of two bestselling Random House business books and five titles in the World Bank Directions in Development series.



David Eves is Executive Vice President, group president – Utilities, Xcel Energy where he oversees the leadership of Xcel Energy's operating companies, resource planning and policy and federal affairs. He has served as president of Public Service Company of Colorado (PSCo), and Southwestern Public Service Company. Prior to that, Eves was vice president of resource planning and acquisition for Xcel Energy. He received a Bachelor of Science degree in mechanical engineering from Kansas State University in 1981. Eves currently serves on the board of trustees for Mile High United Way, the Denver Metro Chamber of Commerce, Boys and Girls Clubs of Metro Denver, and Downtown Denver Inc. He is a member of the Colorado Forum and Colorado Concern.



Peter Fiekowsky is the Founder of the Healthy Climate Alliance (HCA) and the Center for Climate Restoration (CCR). HCA is establishing the explicit global climate goal of giving our children a healthy climate, like our grandparents had, by 2050. The CCR is coordinating a framework for realizing the goal. Fiekowsky is a physicist with 27 patents and a Silicon Valley software entrepreneur. He has 30 years' experience as a citizen lobbyist for poverty and climate issues. He founded Citizens Climate Lobby's 100-year plan group, which led to defining the goal of Climate Restoration. He also serves on the board of RePower Capital, a renewable energy project financing company.



Maggie L. Fox is past President and CEO of the Climate Reality Project (501c3) and the Climate Action Fund (501c4), nonprofit organizations with campaigns in the U.S. and around the world that engage, empower, and assist citizens to become leaders driving global change. She is a consultant serving organizations, communities, foundations, and other philanthropic endeavors in their efforts to develop and implement climate change and clean energy strategies. Along with Vice President Al Gore, she has led multi-day trainings for thousands of climate leaders in locations as diverse as Beijing, Jakarta, Istanbul, Johannesburg as well as San Francisco, Nashville, and Chicago in the United States. She and her husband, Mark Udall, live in Eldorado Canyon, Colorado. They have two children.



Jackie Francis is the Director of the Keeling Curve Prize and a contract employee for the Smithsonian Science Education Center for a pilot program about emergent scientific learning. After more than 20 years of an environmental and science advocacy career, she created the concept of the Keeling Curve Prize. In order to increase her academic strength, she is currently working on a Masters in Energy Policy and Climate Science from Johns Hopkins University.



Kenny Frost is an enrolled member of the Southern Ute Indian Tribe in Ignacio, Colorado. He is the great-great-grandson of Nanice who served as Sub-Chief to Chief Ouray. Frost is recognized as a Sun Dance Chief and spiritual leader by his tribe and other tribes. He helped create the Natural Resources Division of the Southern Ute Indian Tribe and was instrumental in gathering the records of the oil and gas resources of the Southern Ute Tribe. Today, they enjoy the new-found wealth and look for alternative energies for the future. Frost served as the Ute Liaison to the three Ute tribes and with various federal agencies and states: the U.S. Forest Services; Bureau of Land Management; U.S. Park Services. He continues to work protecting Ute ancestral sacred sites.

"Whatever you can do or dream you can, begin it. Boldness has genius, power, and magic in it."

— Goethe



Daniel Fung is the Chairman of United Nations Peace and Development Foundation. He served as Hong Kong's first solicitor general of Chinese descent. He is a graduate and Fellow of University College London and a Distinguished Fulbright Scholar. He is a visiting professor at Peking University Law School, visiting scholar at Harvard Law School, and senior visiting fellow at Yale Law School. Fung is a national delegate to the Chinese People's Political Consultative Conference and has served on the World Bank International Advisory Council on Law & Justice. Fung serves on the board of governors of the East West Center and is a founding governor of the China-US Exchange Foundation. Fung has been honored by the United Nations for his contribution to the UNDP China and the UN Millennium Development Goals.



Patrick Furlotti is CEO and Founder of Projects for Good and President of Global Mana Foundation. Furlotti cultivates solutions to issues of our social and environmental impact. He has directed and produced numerous environmental documentaries showcasing both the beauty and devastations of our planet. His visual narratives tell the story of global interconnections and the urgent need for change. His interviews with international leaders and indigenous healers amplify a global perspective that promotes ecological responsibility, cultural inclusion, and a revolution in consumer ethics. Furlotti identifies and directs projects that deepen our connection to the environment and the lives of others. When you work for a cause you are the effect. Furlotti injects dynamic law into his activism: he has swum rivers and oceans from Hawai'i and Tahiti to Thailand raising millions for environmental causes.



Veronica Garcia was an investment consultant at Credit Suisse and UBS for Latin American Asset Managers. She built portfolios based on her research and asset allocation. After finishing her graduate studies at the ETH in Zurich she joined IBM Research Lab where she developed a model for exergoeconomics of solar thermal systems. She also worked as a consultant for the World Bank, IADB and Castalia. Her research focused on renewable technologies and quantifying investment needs to reach the country targets for renewable power generation and analyzing economic tools for carbon mitigation. In 2017 she founded BitLumens which brings solar power and water to rural areas in developing countries using Internet of Things (IoT) and blockchain technology.



Megan Gilman is Co-Founder and President of North 39 Energy & Active Energies, and has led teams that have provided consulting, training, and verification services on over 800 projects in 14 countries focused on energy efficiency, distributed solar energy and green building. She provides consulting, analysis, modeling, and verification for both existing and new construction, including several net-zero energy projects. Prior to its acquisition, Gilman also acted as President of a company providing design and installation of photovoltaic systems. Gilman serves as Chair of the Board of Directors of Holy Cross Energy, an electric cooperative based in Glenwood Springs, CO and has sat on the Board since 2011. She also represents Holy Cross Energy and its members on the Board of Directors of the Colorado Rural Electric Association.



Katie Isaak Ginsberg is the Founder and Executive Director of the Children's Environmental Literacy Foundation (CELf). Ginsberg launched CELf as a not-for-profit education organization in 2003 after she saw the need to educate young people about the links between human health, consumption, conflict, equity and the environment. CELf's programming has been implemented in over 4,000 schools and impacted over 1 million students globally. Ginsberg has conducted a broad range of seminars, conferences, and courses on Education for Sustainability and on re-orienting K-12 education through a disruptive model of project-and place-based learning. She has presented at the Clinton Global Initiative Annual Meeting, USGBC's GreenBuild Conference, EPA P3 Sustainable Design Expo, Merrill Lynch Sustainability Speaker Series, and the Swedish Consulate.



Jon Goldin-Dubois is the President of Western Resource Advocates. He is a native Westerner and has been an innovator within the nonprofit community for almost 30 years. His background includes strategic advocacy, fundraising, campaign leadership, policy development and analysis, and grassroots organizing. His career spans several disciplines, including a wide variety of work on environmental, conservation and energy issues, government reform and accountability, and youth and international development. Goldin-Dubois has provided strategic guidance to non-profit organizations developing diverse coalitions, training leaders around the globe in effective advocacy skills, and planning successful campaigns to address a broad array of social and environmental challenges.



Lindsay Gonzalez is an artist, writer, traveler and storyteller from Brooklyn, New York. After seven years spent in the marketing and advertising industries, Gonzalez decided to redirect her media focus on sustainability and the health of our oceans. She spent most of the past year at sea in the South Pacific Ocean supporting micro-plastics research and methodology development. She recently relocated to Amsterdam to help lead and grow EarthToday Foundation, which is on a planetary mission to unite humanity under one flag. EarthToday Foundation will soon launch a platform which aims to redefine how information is consumed through conscious, curated, constructive content. Through the platform, she hopes enable innovators and change makers – the true world leaders – to connect and collaborate, for good.



Richard Greene is a former attorney, Green Party Candidate for US Congress, and national radio show host. He is an author (*Words That Shook The World*), international Communication Strategist who has spoken in 53 countries and advised Presidents, Prime Ministers and Presidential Candidates in 8 countries, a popular TED Talker, and a Civics Educator and Visionary who has simplified, "gamified" and is attempting to revolutionize American politics. A former Fellow at The Constitutional Rights Foundation, Greene founded the non-partisan civics engagement campaign, "279 for Change" and "CIVICS 2.0" courses to "move beyond political parties, politicians and 'politics as usual'" to focus on issues and specific bills that will transform the country. His eBook, *CIVICS 2.018 - 10 Things You Need To Know About The 2018 Midterm Elections* is coming out in June, 2018.



Geoff Greenfield is President of Third Sun Solar. He received a B.S. in Political Science from Miami University and a Master's in International Development with a focus on project administration from Ohio University. He was a member of the inaugural North American Board of Certified Energy Practitioners (NABCEP) certification in 2003 and successfully renewed his credentials in 2006 and in 2009. Before entering the renewable energy sector, Greenfield's background included affordable housing development, nonprofit management, and business administration. He is proud to have served in the U.S. Peace Corps, building water systems in Central Africa. Greenfield is a sought after public speaker, a consultant to investment firms in the clean technology sector and lives in a solar and wind powered home.



Juan Grobler is a Founder and Executive Vice President of FridgeWize, Inc. FridgeWize was founded to measure energy reduction in the HVACR space. Since its inception in 2010, FridgeWize has become the leading authority and retrofit arm in North America of an energy efficient line, which is fully quantifiable, and is now in the process of a global expansion. He holds a degree in Science from Natal University in South Africa and resides in Carbondale, Colorado. He consults to numerous national and international businesses to reduce their carbon footprint and saves money on their bottom line with very quick payback periods. The former International rugby player, who played in the 1999 Rugby World Cup, is a fierce competitor and has a passion for energy conservation.



Leo Guzman is the Founder and CEO of Guzman Energy. He graduated from Columbia University with a degree from the school of engineering before earning an MBA from the Stanford Graduate School of Business in Finance. He then joined prestigious financial advisory and asset management firm Lazard Freres in corporate finance before rising to the VP level with The Chase Manhattan Bank in New York; and later to Chief Investment Officer with Gulf Investments in Kuwait. President George W. Bush in 2005 appointed Guzman to a three-year term on the Advisory Committee of the Pension Benefit Guaranty Corporation, and he has served on various securities industry advisory boards, as well as multiple terms on advisory boards at both Columbia and Stanford.



Bryan Hannegan is President and CEO of Holy Cross Energy, a not-for-profit, member-owned electric cooperative utility providing electricity and energy products and services to more than 42,000 customers in Western Colorado. Prior to joining Holy Cross in July 2017, Hannegan was an Associate Laboratory Director at the National Renewable Energy Laboratory (NREL), where he co-founded the US Department of Energy's Grid Modernization Initiative and started up the Energy Systems Integration Facility (ESIF), a unique "distribution grid in a box" enabling utilities, entrepreneurs, and consumers to work together on cleaner, more affordable and more reliable energy systems. Earlier in his career, Hannegan held senior leadership roles at the Electric Power Research Institute, the White House Council on Environmental Quality, and the U.S. Senate Committee on Energy and Natural Resources.



Beth Hartman works at the Electric Power Research Institute (EPRI) as Project Manager for the Incubatenergy Network (www.incubatenergy.org), an initiative funded by the Department of Energy to strengthen connections between clean energy innovators around the country. For the last few years prior to joining EPRI she was a Senior Analyst at E Source, where her research focused on utility customer engagement and marketing strategies, and before E Source she worked as Marketing Manager at Simple Energy. Beth has a master's degree from the University of Colorado and completed a year-long fellowship at the Silicon Flatirons Center in the CU Law School, where she managed the CU New Venture Challenge and wrote reports on topics including smart grid, privacy, and entrepreneurship.



Paul Hawken has written eight books published in 50 countries and 28 languages including five New York Times bestsellers, *The Next Economy*, *Growing a Business*, *The Ecology of Commerce*, *Blessed Unrest*, and *Drawdown: The Most Comprehensive Plan Ever Proposed to Reverse Global Warming*. He has appeared on numerous media including the Today Show, Talk of the Nation, Bill Maher, and profiled in the *Wall Street Journal*, *Newsweek*, *Washington Post*, *Business Week*, and *Esquire*. He founded Erewhon, the first natural food company in the U.S. that relied solely on sustainable agriculture, Smith & Hawken, OneSun Solar, and Project Drawdown. He has served on the board of many environmental organizations including Point Foundation, Center for Plant Conservation, Trust for Public Land, Conservation International, and National Audubon Society.



Charles Hernick is the Director of Policy and Advocacy at Citizens for Responsible Energy Solutions Forum in Washington, DC. Hernick leads CRES Forum's policy work and executes strategies to advance clean energy solutions and innovative approaches to reducing carbon emissions. He is an energy expert who understands emerging clean technologies, market barriers, and policies and regulations. For over a decade he has worked at the crossroads of economic development, energy, and natural resource management across the U.S. and on the ground in over a dozen countries in Africa, Latin America, and the Caribbean. He is also a climate change expert who has integrated climate change considerations into U.S. government programs and policies and has authored climate mitigation and adaptation best practice guidelines for over a dozen development sectors.



Peter Hirshberg is Chairman, Board-of-Advisors at Swytch.io, which deploys blockchain to create a first-ever global market for incentives to reduce carbon and accelerate capital for renewable energy. He is a tech executive and activist who builds organizations and movements and finds value in self-organizing, distributed systems to effect change. Over a 30-year career he's directed enterprise markets for Apple and led technology-based change initiatives for The White House, The United Nations, The World Economic Forum, and multiple Silicon Valley companies. In 2016, he wrote the best-selling book on entrepreneurship and economic development: *Maker City: A Practical Guide to Reinventing American Cities* as a guide to cities and towns undergoing rapid economic change. He serves as advisor to Ford smart mobility, is a Senior Fellow at USC and a Henry Crown Fellow of the Aspen Institute.



Anthony Hobely is Chief Executive Officer of **Carbon Tracker**, an independent financial think tank that carries out analysis on the impact of the energy transition on capital markets. Previously Hobely was a partner and Global Head of the Sustainability & Climate Finance Practice at global law firm Norton Rose Fulbright. Formerly he was General Counsel to the Climate Change Capital Carbon Fund and Director of Legal Policy for Climate Change Capital. Hobely played a key role in helping to design the UK's pilot emissions trading scheme and in developing key aspects of the EU ETS. He was a key figure behind the creation of the business advocacy group Businesses for a Clean Economy and the business group Climate Markets & Investment Association.



Katie Hoffman is the Co-Founder and CEO of **Resco, LLC**, a firm that accelerates investment opportunities for climate innovation. Hoffman played an integral role in passing policies that influenced the University of California, CalPERs and CalSTRs to shift billions of dollars toward sustainable investment. She was a managing partner at Etho Capital, a financial services company focused on building sustainable ETFs and other investment products, and an Entrepreneur in Residence at the California Clean Energy Fund, where she explored investment opportunities to accelerate the shift to 100% clean energy. Hoffman currently sits as co-chair of the Nexus Global Energy Innovation and Environment Group and is a founding member of Finance the Future, where she directs initiatives focused on climate finance.



David Hornbacher is the Director of the **City of Aspen Utilities** responsible for the provision of water and electric service including hydroelectric production. In 2015, Aspen Utilities achieved the community goal of a 100% renewable electric energy portfolio, becoming the 3rd municipal electric utility in the nation to reach this milestone. Previously, Hornbacher was the Xcel Energy New Business Manager for the Boulder Colorado region and was a member of the "Smart Grid City" implementation team. Earlier, he held progressive roles at the Colorado Springs Utilities and City of Longmont. Hornbacher holds a Bachelor's Degree from the Colorado State University and sits on the Boards of the Community Office for Resource Efficiency, the Municipal Energy Agency of Nebraska, and the Colorado Association of Municipal Utilities as Vice-President.



Emma Hutchinson is a Tom Ford Fellow, **Climate Solutions at the MacArthur Foundation**. At MacArthur, Hutchinson works on grant making and program strategy to advance climate and clean energy policy, broaden the constituency that is advocating for climate solutions, and alter public discourse around climate change in the United States. She graduated with a Bachelors' Degree in Environmental Science and Policy, with minors in Economics and Science Communication from Stanford University in 2017. She has previously worked at the National Audubon Society, WILD Foundation, and the U.S. Environmental Protection Agency on politics, urban nature, and science communication. She served as a student journalist at COP 21 in 2015 and has published articles and podcasts with *Smithsonian*, *Earth Island Journal*, *Climate Central*, and *Peninsula Press*.



Robert "Hutch" Hutchinson, MBA is a Senior Fellow at **Rocky Mountain Institute (RMI)**, an investor, advisor, and Board member for startups in the energy, environmental and impact spaces, a consultant on low carbon technologies and finance, and a writer and speaker on energy. He has 35 years of experience in energy research, design, and business strategy. For RMI he now works selectively to expand the footprint, toolset, and impact. He was previously Managing Director for RMI's programmatic activities, hiring and shaping teams, setting priorities, and ensuring funding. Prior to RMI he ran a cleantech venture group, following twenty years as a Partner at the Boston Consulting Group. He started his career at Exxon and DOE's Pacific Northwest National Laboratory. He was educated at Vanderbilt and Leeds, in England, and Stanford.



A. Hannan Ismail is a 20-year veteran of the **United Nations** and has worked in more than 40 countries. In 1993, Ismail worked with grassroots organizations on ecological agriculture and social forestry in south Asia. He led the policy analysis behind the 1994 National Forest Policy of Bangladesh. As head of United Nations operations in Zambia, Ismail initiated a nationwide analysis on the economic impacts of climate change in 2007. While country director in South Africa, he partnered with government on its renewable energy infrastructure. He served with Secretary-General Ban Ki-moon during the finalization of the Paris Agreement in 2015. In 2016, he became senior advisor to an international declaration on sustainable development that included the UN, the Organization for Economic Cooperation and Development, and the International Chamber of Commerce.



David Kang is the Vice Chancellor for **Infrastructure and Sustainability and the Chief Facilities Officer at the University of Colorado Boulder** where he manages over 12 million square feet of facilities to support education and research. Prior to CU Boulder, Kang was the Director of Project Management at the White House Military Office where he led several multi-million dollars, highly technical, classified facility programs/projects in support of the Continuity of the Presidency, White House Operations, Camp David, and other White House support facilities. He also served as the Director for Shore Energy for the Department of the Navy where he championed a culture of sustainability and led department-wide efforts to increase energy efficiency, increase use of renewable energy and integrate smart energy technologies on Naval installations throughout the world.



Jim Kehoe is Design Leader at **Charles Cunniffe Architects** in Aspen, CO. As a US Infantry Vet, Kehoe attended art school leading to a Bachelor of Science in Design followed by a master's in architecture from Washington University, St. Louis. After beginning his career in Park City, Utah, he was given the position of Design Director for a prominent architecture firm in St. Louis. He is currently collaborating and researching biological and cognitive effects of the built environment aligned with development of evidence-based design focusing on sustainability, health, and well-being. As longtime practitioner of the meditative based martial arts Neigong and Qigong, Kehoe has developed a love of East Asian calligraphy. This has in turn influenced his abstract painting efforts in workshops with Tadashi Hayakawa, furthering his passion for the fine arts.



Allie Kelly is Executive Director of The Ray.

A Georgia native, Kelly earned a B.A. degree in political science from the University of Georgia. She has worked in public policy for over 15 years, first as a lobbyist for UPS in Washington, D.C., then returning to Atlanta and founding Georgia Watch in 2002, which is the state's only consumer watchdog organization. In 2009, she left Georgia Watch to join former Lt. Gov. Pierre Howard at the Georgia Conservancy as its senior vice president, and it was there that she met the Trustees of the Ray C. Anderson Foundation, who partnered with the Georgia Conservancy to do a feasibility study for the project that would become The Ray. She was recruited by the Trustees to help found The Ray in 2015, and now serves as its executive director.



Thomas King is currently Managing Partner of CrossRiver Capital and was a Founding Partner of US Renewables Group, the first

private equity group focused solely on renewable power, bio-fuels/chemicals, and related infrastructure. With more than thirty years' experience in finance and energy, King has completed more than \$25 billion of equity and debt

investments across six continents acting both in a proprietary capacity and for many of the world's most prominent energy and infrastructure companies. He has provided path-finding leadership in structured debt financings leading to solar energy ABS and was an early investor and proponent of PACE financing. Before USRG, he was with Dresdner Kleinwort Wasserstein, and prior to that worked for over a decade with JP Morgan Chase in London and New York.



Jules Kortenhorst is the Chief Executive Officer of Rocky Mountain Institute. He is

a recognized leader on global energy issues and climate change. His background spans business, government, entrepreneurial, and nonprofit leadership. Prior to RMI, Kortenhorst was the founding CEO of the European Climate Foundation (ECF), the largest philanthropic organization dedicated to policy development and advocacy on climate change in Europe. Before launching ECF, he served as a member of the Dutch parliament for the Christian Democratic Party. He was also the CEO for International Operations of ClientLogic Corporation, a global leader in outsourced customer relationship management (CRM) solutions. He worked for Royal Dutch / Shell, among others as managing director of Shell Bulgaria, and he began his career as an analyst at McKinsey & Co.



Daniel Kreeger is Co-Founder and Executive Director of the Association of Climate Change Officers (ACCO) and has a

unique familiarity of key climate and sustainability leaders at and efforts by most Fortune 500 companies, higher education institutions and North American government entities. Kreeger has led ACCO's programming efforts, as well as establishment of its certification and training programs, for climate change professionals and leaders across sectors. Kreeger led ACCO's partnership with the White House Council on Environmental Quality in 2011 and 2012 to co-produce their flagship conference on sustainability in Federal agency operations, the GreenGov Symposium, and was a Co-Founder of EPA's Climate Leadership Awards. He has served as a U.S. government reviewer for the IPCC and advises numerous organizations on the development of staff/workforce climate preparedness training initiatives.



Heidi Kuhn founded Roots of Peace in 1997

to help remove landmines in war-torn nations. Her organization has taken out 100,000 landmines from countries, such as Palestine, Israel, Afghanistan, Croatia, Bosnia-Herzegovina, Angola, and Cambodia. They have also transformed the lives of landmine victims by giving them a decent source of living. In Afghanistan, where they started work in 2003, Roots of Peace has helped 10,000 farmers who are now happily growing fruits on the once dreaded landmine zone.



Sandra Kwak is CEO and Founder of social business 10Power, which is providing renewable

energy internationally to communities that lack access to electricity. Previously she worked with AutoGrid creating energy saving apps for utilities using smart meter Big Data, scaling the company through \$14M in financing from prototype to a global brand. Kwak also Co-Founded

and served as President and COO of energy efficiency company Powerzoa and at Pacific Gas and Electric Utility implementing the ClimateSmart program, which offsets emissions associated with electricity generation. She has a Sustainable MBA from Presidio Graduate School, has taught at SFSU and guest lectures at CCA and Stanford.



Klaus Lackner, Ph.D., is the Director of Center for Negative Carbon Emissions

and Professor at the School of Sustainable Engineering and the Built Environment of the Ira A. Fulton Schools of Engineering, Arizona State University. Lackner's research interests include closing the carbon cycle by capturing carbon dioxide from the air, carbon sequestration,

innovative energy and infrastructure systems, the role of automation, robotics and mass-manufacturing in downscaling infrastructure systems, and energy and environmental policy. Trained as a theoretical physicist, he has made several contributions to the field of carbon capture and storage since 1995. His recent work at Columbia University as Director of the Lenfest Center for Sustainable Energy, advanced innovative approaches to energy issues of the future and the pursuit of environmentally acceptable technologies for the use of fossil fuels.



Osprey Orielle Lake is the Co-Founder and Executive Director of Women's Earth and Climate Action Network (WECAN). She works

internationally to promote resilient communities and foster a post-carbon energy future, while also addressing societal transformation. She is Co-Chair of International Advocacy with the Global Alliance for the Rights of Nature and designs

the curriculum and co-teaches WECAN's national and international climate trainings. Lake advocates with the UNFCCC Women and Gender Constituency and directs WECAN's advocacy work in programs such as Women for Forests, Tar Sands Campaign, 100% Renewables and United Nations forums. She is author of the award-winning book, *Uprisings for the Earth: Reconnecting Culture with Nature*.



Gregory Landau is the Co-Founder of **regen.network**, a blockchain driven transparency and smart contracting platform designed to coordinate multi-stakeholder groups to achieve ecological regeneration. Landau's passion for creating healthy relationships through trade and agriculture has lead him on a journey to explore all phases of the value adding process from farming and agriculture through processing and manufacture to marketing to the end customer. Out of these ecosystem-based farming approaches he has helped to grow an ecosystem of businesses and organizations dedicated to expressing the essence of a product through the entire value adding process. Landau is the co-author of the pioneering book *Regenerative Enterprise* (2013).



Brook LeVan is Co-Founder and Director of **Sustainable Settings**. LeVan lectures, writes, and organizes community-based solutions and events on re-localized sustainable food and energy shed systems through the Demeter Certified Biodynamic working ranch and Whole Systems Learning Center. He holds a diploma in Permaculture and is a green development, Biodynamic, Permaculture, Holistic Management, sustainable agriculture, and native riparian systems consultant. LeVan writes the "Food for Thought" column for Edible Aspen, is founding Board member of the Thompson Divide Coalition, and is on the Board of Grassroots TV. He received a Fulbright Research Fellowship for research on sustainable human settlement in Ghana, A Durfee Foundation Fellowship for an expedition navigating the Yellow River in China, National Endowment for Humanities, and a Pollock-Krasner Foundation Fellowship.



Amy Lewis is the Chief Communication and Development Officer, **WILD Foundation** and responsible for building international support and commitment for wild nature. She is a political scientist and nonprofit leader who uses storytelling to engage and mobilize communities for the defense of nature. She applies her unique brand of problem-solving at the WILD Foundation. As a member of the core Nature Needs Half team she is assisting the development and implementation of a global ground game that will result in the protection of 50% of the planet by 2050. Lewis is a former Martin Luther King Jr. Fellow at Colorado State University.



Kristen Linzy is the Program Coordinator for **SolarSPELL**- an offline, solar powered, digital library designed for use in resource-constrained regions. The SolarSPELL library connects populations, that lack reliable access to electricity and the Internet, to a wealth of educational content. The use of SolarSPELL digital libraries promotes information literacy, technological literacy, and builds Internet-ready skills, through a sustainable platform. Linzy oversees SolarSPELL's program evaluation and conducts in-field research across the Pacific Islands to assess the project's impact in implementation sites. She received her M.S. from Arizona State University, where she completed a degree in Global Technology and Development.



Corey Lockman is the Program Director for **Wildlife Protection Solutions** and has been involved since the organizations inception. Spearheading a wide variety of anti-poaching efforts, Lockman's focus has been to protect critically endangered species on the frontlines of conservation in South Africa, Indonesia, among many other countries. Having worked with many philanthropic organizations for the last 20 years, he brings a wealth of experience and knowledge to the team and to the wider world of wildlife conservation.



Michael Longoria serves as the Executive Director of **ImpactX** and studies Digital Currency and Blockchain Technology at the University of Nicosia. Michael has over 4 years' experience in cryptocurrencies and blockchain technologies as a miner, investor, educator, researcher, and advisor. Longoria lead the creation of a Blockchain R&D Department as a technology consultant, has written guides on cryptocurrency investing best practices, hosted public talks and workshops on blockchain technologies and independently advised blockchain projects on tokenomic structure and growth strategy. He received a BS in Financial & Decision Engineering and a minor in Economics from Stanford University.



Mindy S. Lubber is the CEO and President of **Ceres**, a non-profit organization mobilizing the world's largest investors and companies to act on climate change, water scarcity, and other global sustainability challenges. She directs Ceres' Investor Network on Climate Risk and Sustainability, a group of 146 institutional investors managing over \$22.3 trillion in assets focused on the business risks and opportunities of climate change. Under Lubber's leadership, Ceres launched *The 21st Century Corporation: The Ceres Roadmap for Sustainability* and *The 21st Century Investor: Ceres Blueprint for Sustainable Investing*, visionary guides highlighting environmental and social performance standards for companies and investors. In 2016, Lubber received the Climate Visionary Leadership Award from the Earth Day Network and the William K. Reilly Award for Environmental Leadership from the Center for Environmental Policy at American University.



Aaron Makaruk is the the CEO of **OSBeehives**, where they are building a data-driven IoT platform for commercial honey producers. Makaruk founded and managed multiple for-profit and non-profit organizations. During his time as a Shuttleworth Fellow, he was the managing partner of AKER, which developed a suite of products to build agro-ecological systems in urban environments. Makaruk was the Director of Development at Open Source Ecology with TED Fellow Dr. Marcin Jakubowski (see his TEDx talk in Madrid). He also co-founded Youth On Record, which brings music production and lyric-writing classes to children in the judicial system.

"Tragedy is a tool for the living to gain wisdom, not a guide by which to live."

— Robert F. Kennedy



Christopher Marston is the Founder and Chief Executive Officer of Exemplar Companies, a holistically integrated professional knowledge firm combining law, business, tax, and Investment Banking to serve exclusively revolutionaries, game-changers and impact-businesses. Marston is a deal-attorney, registered principal investment banker, and deal-maker working with

Exemplar's top market-disruptive clients on everything from capitalization, business model, securities, negotiations, through acquisition and exit. A former Chief Financial Officer for a fin-tech company in the payment space, Marston has served clients in the crypto-currency and blockchain market for the past 7 years, having helped setup the early infrastructure for the industry, such as Noble Bank International, GoCoin, and has supporting some of the leading ICO's in the marketplace in recent years from legal, offshore structure advisory, to securities.



Vance G. Martin has been President of The WILD Foundation since 1983, a US-based, globally-focused not-for-profit originally founded in South Africa by Ian Player. He has worked or lived in over 60 countries, implementing WILD's global vision of Nature Needs Half, working with WILD's many on-the-ground conservation projects, and as International Director for the

World Wilderness Congress. Working with leaders in government, business, communications, and the arts – in both “western” and traditional cultures – he is committed to collaboration in crafting positive, effective conservation solutions for wilderness, wildlife, and people. Among many roles, Martin also serves as: Founder/Co-Chairman of the Wilderness Specialist Group in the World Commission on Protected Areas/IUCN; Trustee of Wilderness Foundation Global (South Africa); and International Advisor to EcoForum Global (China).



Enrique Martinez is the CEO of the blockchain and ICO consulting company WebCapitalists Corp. After 6 years at the Department of Defense, including 2 years at the Department of Intelligence, in 2009 Martinez became an expert in blockchain technology. Being an early blockchain adopter has allowed WebCapitalists Corp. be a leader around

the world. After Hurricane Maria in 2017, Enrique has been leading several efforts to bring investments to Puerto Rico. He is leading efforts to create solar blockchain microgrids around Puerto Rico and the Caribbean worth more than \$100 US million. He has a Bachelor in Aerospace Engineering from the University of Michigan, a Master in Mechanical Engineering from the University of Puerto Rico, and a Master in Business Administration from Emory University with focus on finance computer programming.



Mynoo Maryel is the Founder and visionary for The PoEM Foundation (PoEM=Palace of Extraordinary Miracles), a movement dedicated to making miracles the new norm. The PoEM's initiatives include transformational media, vitality and wellness programming, lifestyle products, services and eco-luxury resort and retreat development. Maryel (fka Mynoo Blackbyrn) was formerly

a high-flying executive and pragmatic serial entrepreneur in Europe, Asia and Australia, and beginning in 2010 she experienced a series of spiritual awakenings and connected with the true mission of her soul. She entered periods of silence, which she now calls “downloads” during which profound wisdom about restoring miracles, childlike wonder and sublime well-being to our lives were revealed to her. She then undertook for herself what has now become *The Journey Into Miracles*.



John McBride, Founder of the Sopris Foundation, is a businessman, rancher and conservationist, who came to Aspen, Colorado in the 1960's where he helped to develop the Snowmass Ski Area and created the successful Aspen Airport Business Center. He is a rancher and philanthropist with a focus on land management, preservation, and conservation.

McBride's longtime focus has been on the nexus of population growth and the consumption of natural resources and has sponsored numerous “State of the World” and “Land Management” conferences and summits. The Sopris Foundation supports conservation, environmental stewardship and the preservation of family farms and ranches.



Kate McBride, Rancher and Entrepreneur, whose career interests include environment, land and wildlife conservation, farming, philanthropy, health, and professional sports. She is the owner and operator of the Other Side Ranch, and raises rotationally pastured, humane, organic Berkshire hogs and Dorper lamb for meat and raw dairy. McBride graduated with a Bachelor

of Science, Cum Laude, with the thesis award from Princeton University and is a Certified Veterinary Technologist and an EMT. McBride is the Director of the Aspen Airport Business Center Foundation and was the Sopris Foundation President from 1993-2005 where she Co-Founded and was the Director of The State of the World Conferences. McBride was also a professional ski racer, model, and 6X World Record holder for the 24-Hour Downhill. She served on the board of American Rivers.



Tim McCollough is the current Deputy Director of Light & Power for the City of Fort Collins' Utility Department. He has served 15 years in the electric utility industry. He has had experience working in power generation, power transmission, and currently works with power distribution for both investor-owned and municipal utilities. Tim is a digital native exile

from the coal-power generation industry, seeking to make a carbon difference through practical electric utility management.



Taite R. McDonald is a partner in Holland & Knight's Washington, D.C. office, and a member of the firm's Public Policy & Regulation Group. McDonald works with energy and clean technology companies to develop and execute strategies to pursue Executive Branch federal government programs, including the U.S. Department of Defense (DOD), U.S.

Department of Agriculture and U.S. Department of Energy (DOE). McDonald provides counsel to companies seeking to collaborate and assist the federal government in meeting its energy procurement and resiliency needs. She helps companies pursue government funding and financing programs, as well as develop strategies for leveraging public and private financing mechanisms to commercialize innovative energy technologies. McDonald regularly plays a pivotal role in assisting clients to overcome gating obstacles by forging key partnerships with federal agencies and other government-facing bodies.



Ruarai McKenna is Director of Business Development for Care2. He is a strategic communication consultant with fifteen years of experience developing integrated marketing campaigns that sit at the intersection of social good and business success. McKenna worked as a political commentator for BBC Northern Ireland before immigrating to Washington D.C., where he helped establish a charity fundraising company, followed by a digital public affairs agency, serving a wide range of clients including the St. Jude's Children's Hospital, Mercy Corp, Amnesty International and the White House. Since joining Care2, McKenna has designed and executed successful cause-related partnerships for The Humane Society, Happy Egg Company, Care USA, UNHCR and AARP. He holds a Bachelor's Degree in Philosophy from Queen's University, Belfast, and a Master's Degree in Communication from The Johns Hopkins University.



Randy McNamara led transformational courses for 300,000 people in North America, South America, Europe, The Middle East, Australia, New Zealand, and Asia during his 45-year work career. In addition, he trained 800 leaders to coach citizens in carrying out over 100,000 community projects that impact the quality of people's lives. Working pro bono, McNamara now applies his leadership experience to coaching leaders of environmental, geoengineering, renewable energy, and civic activist organizations to end human contributions to global warming and to ensure a livable climate for the future of humanity and all living things.



Steve Michelson is the Executive Director of the Fund for Sustainable Tomorrows, a San Francisco based non-profit that supports engagement campaigns around media projects. He has been an Executive Producer of many award-winning documentary films over a 40-year career with a focus on the environment, sustainability, and social justice. He is the Executive Producer of Nature Needs Half Media which will be developing an integrated media campaign to protect biodiversity in eco-regions everywhere. He has been a principle of the Video Project a distributor of important films since 1983. Michelson is a graduate of the University of Pennsylvania where he attended the Wharton School and the Annenberg School of Communications.



Jeff Mikulina is the Executive Director of the Blue Planet Foundation, a nonprofit organization whose mission is to clear the path for 100% clean energy in Hawaii and beyond. Through collaboration and advocacy, Blue Planet champions scalable policies and programs to transform Hawaii's energy systems to clean, renewable energy solutions. Among other accomplishments, the organization led the successful public campaign to make Hawaii the first state in the nation with a 100% renewable energy mandate. Mikulina is vice chair of the Hawaii Green Infrastructure Authority, which oversees \$150 million in bond funding to help democratize access to clean energy solutions. He received a Master of Science degree in engineering from the University of Illinois at Urbana-Champaign studying decision theory.



Chris A. Miller is the Chief Operating Officer at Guzman Energy, and is responsible for the organization and execution of all business operations. He is a founding member of the Guzman Energy team and believes that smart energy policy is directly connected to economic competitiveness. Prior to joining Guzman Energy, Miller served as Chief Operating Officer of Guzman & Company, an investment bank and broker dealer with a proud 30-year operating history. He served in the United States Navy, with assignments that included Chief Engineer of a guided missile destroyer and as a Boatswain Mate in the Pacific. Miller has earned advanced degrees from the Naval War College and the Naval Postgraduate School, and also holds an MBA from Northwestern University's Kellogg School of Management. He continues to serve as a Commander in the U.S. Navy Reserves.



Pat Mitchell is CEO of Pat Mitchell Media. Her career is a story of passion and purpose - breaking new ground for women by overcoming challenges to become a journalist, an Emmy award-winning producer and president of CNN Productions, the first woman president of PBS, and the CEO of the Paley Center for Media. Mitchell launched TEDWomen and continues as its editorial director, curator, and host, adding more than 150 TED Talks. As chair of the Women's Media Center and Sundance Institute Boards, she advocates for greater representation of women in all decision-making positions throughout media. Mitchell also serves on the boards of Participant Media, Acumen Fund, the Skoll Fund, and VDay, and is a member of the Council on Foreign Relations. She is working on a book about women, power, and mentoring.



Mario Molina is the Executive Director at Protect Our Winters, which works to unite and mobilize the outdoor sports community to climate action. Mario grew up in the highlands of Guatemala and has a deeply rooted respect and relationship with the mountains and outdoor culture. He has trained and activated corporate leaders, government officials, NGO groups, athletes, and activists, on climate change strategies, communications, and engagement. He has spoken widely on climate policy including for the World Bank, IBM, the Mexican Senate, the Brazilian Forum on Climate Change, and various global stages. Before joining POW, Molina served as the International Director for Al Gore's Climate Reality Project and as the Deputy Director for the Alliance for Climate Education.



River Morgan is a third-generation yogini; a lifelong study of movement and the body has guided her 22 years of teaching. She teaches meditation, yoga, and dance. River has been featured in many publications for her yoga classes and retreats, including *Yoga Journal*, *Forbes* magazine, and as a model for the Gaiam and Jade catalogues and products. She was a professional modern dancer in two Seattle-based companies touring internationally. River's love of the healing arts, dance and transpersonal psychology guide her love of teaching.

"Few will have the greatness to bend history itself; but each of us can work to change a small portion of events, and in the total; of all those acts will be written the history of this generation."

— Robert F. Kennedy



J. Todd Morley co-founded Y2X, which combines information technologies with assets of human need. Morley is also Founder and Chairman of G2 Investment Group. In 1999, he co-founded investment firm Guggenheim Partners LLC, which has over \$300 billion assets under management. He served on the Guggenheim Board as well as on its Executive Committee. G2 was founded in 2009, when Morley identified an opportunity with several partners to build an investment group that creates and sustains profit for individuals, families, and institutions. The firm acts on the principle that investments in basic “pillars” of human need – food, water, energy, shelter, health care, communication, education – often create asymmetrical return profiles, many of which act as a hedge against inflation.



Hawk Newsome is an activist at the forefront of the New Civil Rights Movement. Newsome's parents met at a civil rights rally, so you can say that he was born into this fight. He has dedicated his adult life to the betterment of his community and our nation as a whole. After graduating from Concordia College, Newsome worked for the Honorable Robert T. Johnson at the Bronx County Office of the District Attorney. Newsome joined Wilson Elser Moskowitz Edelman & Dicker LLP as a project manager. During this period, he founded the Bronx Sharks Athletic Club which sends at risk youths to college on scholarship. Newsome attended Howard University Law School, and completed his Jurist Doctorate at Touro Law School. As President of BLMgreaterNY he helps victims of police brutality, members of LGBT community, victims of human trafficking, domestic violence survivors, founded Black Lives Caucus, and lectures students weekly.



Jennifer Nielsen, Founder of ekko.world, a tech platform educating consumers to make more eco sensitive choices and easily live more sustainably. She is a serial business builder turned social activist who wondered how the world could be changed from the comfort of home. Engaging 1,000,000 people to do one small eco thing is more powerful than convincing 10,000 people to change 100. Rallying many small shifts to make one big collective difference is why Nielsen believes that the power of sustainable change at a household level is through leadership. The ekko.world platform supports eco businesses of any size, but its social mission is supporting the many micro and small batch eco producers, who can simply and personally bring honest sustainable products and habits into the homes of everyday consumers.



Claes Nobel is the Founder and Chairman of United Earth and The Green Earth Prize for Earth Ethics and the Co-Founder of the National Society of High School Scholars (NSHSS). A senior member of the Nobel Family, he is a native of Sweden and the great grand-nephew of industrialist Dr. Alfred Nobel, creator of the famed Nobel Prize. Nobel is the author of the *Nobel Laureate Declaration On The Survival of Mankind* and more recently *The Global Declaration of Earth Ethics* dedicated to promoting world peace, human unity, and environmental responsibility.



Marcus Nobel is Executive Director and President of United Earth, Inc. He went to the University of Wisconsin, Milwaukee and received a BA in Journalism/BAG-4, 1982. Nobel received a Cinematography Fellowship from the American Film Institute in Los Angeles, and is an experienced writer, producer and director. He holds dual citizenship in the U.S. and Sweden. He is the Publisher and Editor of the Earth Ethics Forum, advancing Earth Ethics, World Peace and Sustainable Development.



Matthew Nordan is Co-Founder of PRIME Coalition, a pioneering nonprofit focused on breakthrough energy innovation, and Managing Director of the PRIME Impact Fund. Earlier, Nordan was a venture capital investor at Venrock, one of the world's oldest and most successful VC firms, where he backed companies including Nest Labs (acquired by Google for \$3.2 billion) Before Venrock, he was President of Lux Research, an advisory services firm for science-driven innovation that he co-founded. In addition to PRIME, Nordan is also co-founder and Managing Partner at MNL Partners, which develops energy and environmental projects in global markets. He serves on the boards of Sense Labs, Quidnet Energy, and Greentown Labs (the world's largest cleantech incubator). Nordan is a graduate of Yale.



Catherine Novelli is President of Listening for America, a non-partisan, non-profit organization dedicated to forging a new vision of U.S. international trade engagement. Novelli has had a 30-year award-winning career working on international trade and environment issues. She served as Under Secretary of State for Economic Growth, Energy, and the Environment from 2014 to 2017. Previous positions include Vice President, Worldwide Government Affairs at Apple Inc; partner in the law firm Mayer Brown International; and Assistant U.S. Trade Representative for Europe and the Middle East. Novelli currently serves on the Boards of the National Wildlife Federation, the Wildlife Conservation Society and Pristine Seas Initiative of the National Geographic Society. She is an Ocean Elder. She holds a BA from Tufts University, JD from the University of Michigan and LLM from University of London.



Jean-Marc O'Brien has been Director of Ardour Capital Investments since 2005. It is one of the first clean tech focused investment banks and research firms in the U.S. After graduating from the Jerome Fischer Management & Technology program at the University of Pennsylvania's Wharton School and Moore School of Engineering in 1983 he worked for Citibank, NY institutional bank and then joined Banque Indosuez trading and sales team in Paris in 1989 becoming the top producing sales person. He was named Head of Sales, Americas for Credit Agricole Securities, NY in 1997 until 2001. He became an early stage technology angel investor and then joined Medley Advisors in NYC as a director in 2004. He speaks English, French, Spanish, Portuguese and Italian and holds a Series 7, 63 and 24 FINRA licenses.



Collin O'Mara is President and CEO of the **National Wildlife Foundation**. Under O'Mara's leadership, the National Wildlife Federation is focused on recovering America's wildlife ranging from bison and bighorn sheep to pollinators like monarch butterflies and native bees, improving management of and access to public lands, restoring America's water bodies, advancing environmental education (including publishing *Ranger Rick*® magazines), and connecting every American child with the great outdoors.



David Orr, PhD is "Counselor to the President" at Oberlin College and Paul Sears Distinguished Professor of Environmental Studies & Politics, Emeritus. He is the author of eight books, including, *Down to the Wire: Confronting Climate Collapse* (Oxford, 2009). His eighth book, *Dangerous Years: Climate Change and the Long Emergency* was published by Yale University Press in 2016. He has authored over 220 articles, reviews, book chapters, and professional publications. In the past twenty-five years, he has served as a board member or adviser to ten foundations and is on the Boards of many organizations including the Rocky Mountain Institute, Bioneers, and the Aldo Leopold Foundation. He is currently a Trustee of the Alliance for Sustainable Colorado, the WorldWatch Institute, and Founder and Chair of the Board of the Oberlin Project.



Jerome Osentowski is the Founder and Director of the Central Rocky Mountain Permaculture Institute (CRMPI). He is a certified Senior Permaculturist and author of *The Forest Garden Greenhouse*. By offering workshops, courses, and internships, CRMPI has taught over 3,000 students and interns from around the world to practice Earth Care, People Care, and Fair Share through permaculture design. CRMPI's annual Permaculture Design Course (PDC) is the longest-running in the world, celebrating its 31st year in 2017. CRMPI also offers tours and field trips to the public, allowing visitors a glimpse its 25-year-old food forest, near-net-zero tropical greenhouse, Mediterranean greenhouse, three season extension greenhouses, hillside permaculture swales (aka "berm-n-basins"), chickens and rabbits, and edible landscape nursery, all at 7200' above sea level in the Colorado Rockies.



Dr. CJ Palmer is the Founder of Sustainable Soundtracks. He graduated from the Karolinska Institute, Stockholm and is a Specialist in Family Medicine (General Practitioner). In 2017 Palmer's musical career has been focused on singing, songwriting and composing and he has experienced international success with hit songs in Europe, the US and Asia. Sustainable Soundtracks is a new music act that uses potential hit music to address sustainability, climate change, ocean sustainability, etc. Initial response to the material has been overwhelming. Swedish/American top producer Ingemar Aberg has produced the material. The first song will be released later in 2018.



Keith Paustian is University Distinguished Professor in the Department of Soil and Crop Sciences and Senior Research Scientist at the Natural Resource Ecology Laboratory at Colorado State University. His work includes modeling, field measurement and development of assessment tools for soil carbon sequestration and greenhouse gas (GHG) emissions. He has published over 250 journal articles and book chapters. His research includes development of inventory methodology for US soil C and N₂O emissions reporting to UNFCCC, tools for farm- and project-scale soil C and GHG estimation in the US (<http://cometfarm.nrel.colostate.edu/>) and in developing countries (http://www.unep.org/cbp_pim/). Paustian served as Coordinating Lead Author for the IPCC 2006 National Greenhouse Gas Inventory Methods and on two National Academy of Sciences studies on land use and greenhouse gases.



Parvati is a Canadian musician, yogini, activist, and author whose lifelong passion is catalyzing change for a healthy world. The northernmost musical performer ever, she gained first-hand experience of the critical situation in the Arctic when she sang at the North Pole to raise awareness of the melting polar ice. She is the founder and visionary of the nonprofit *Parvati.org* whose immediate goal is protecting all life on Earth by establishing the Marine Arctic Peace Sanctuary (MAPS). MAPS is the largest marine park in history, protecting three per cent of all ocean waters worldwide. It stops all activity in the Arctic Ocean that harms the polar ice, our planet's air conditioner, and ensures the regeneration of this essential ecosystem.



Mike Phillips is the Executive Director of the Turner Endangered Species Fund (TESF) and Turner Biodiversity Divisions (TBD). He has been leading the Fund and Biodiversity Divisions since Ted Turner founded both in 1997. They now stand as the world's most significant private effort to conserve biological diversity. Prior to TEF and TBD, Phillips worked for the U.S. Fish and Wildlife Service restoring the red wolves to the southeastern U.S. and for the National Park Service in the historic effort to restore gray wolves to the Greater Yellowstone Ecosystem. He was elected to the Montana legislature in 2006 and will serve as a state senator through December 2020. In 2009, Phillips was invited by the White House to work with the administration and the U.S. Senate on energy and climate change legislation.



Luka Powanga, Ph.D. is a professor at Regis University and a Co-Founder of the annual Energy Africa Conference, which pools high-level government officials, business executives, investors and leading scholars/researchers from Africa and around the world to form mutually beneficial partnerships to support the work needed for Africa to establish an energy infrastructure that is sustainable, accessible and appropriate. Dr. Powanga participates in high-level African economic development forums, and consults in international business, energy and investments. He holds a B.S. degree in Metallurgy and Mineral Processing from the University of Zambia, Masters and Ph.D. degrees in Mineral Economics from Colorado School of Mines with a minor in Finance. He also holds a Master's degree in Computer Information Technology.

"No water, no life. No blue, no green."

— Sylvia Earle



John Powers is the Founder and Board President for Alliance for Sustainable Colorado, a nonprofit formed to keep the planet habitable through collaboration and its LEED Dynamic Plaque certified Alliance Center in Denver, which licenses office and meeting space to sustainability organizations. Powers is driving the conversion of The Alliance Center

from alternating to direct current in order to capture, measure and demonstrate the energy efficiency possible through microgrids in commercial building, and accelerate adoption of renewables at utility scale to help meet the goals set in Paris for reductions of greenhouse gas emissions. Powers is a board member of Conservation Colorado and the Educational Foundation of America, and the instigator of the Colorado Funders' Environmental Affinity Group.



Sally Ranney is Co-Founder and President of the American Renewable Energy Institute (AREI) and AREDAY, and Co-Founder of the International Women's Earth and Climate Action Network (WECAN). She is CEO of Stillwater Preservation LLC, a wetlands mitigation banking company and serves on the Patrons of Nature of the IUCN. Ranney is a founding board member of Intentional

Investment Holdings (IIH) and on the executive board of the Climate Accountability Institute (CAI). With forty years of experience in land, water, energy, biodiversity, and climate change, Ranney has worked with three U.S. Presidents, including an appointment by President Reagan to his Commission on American Outdoors. She is the diligent of numerous awards including the Horace Albright Award, the International Conservation Award, Earth Guardians' Earth Stewardship Award, and the Children's Environmental Literacy Foundation (CELF) Lifetime Achievement Award.



Heather Reams is Managing Director of Citizens for Responsible Energy Solutions and is a 20+ year veteran in strategic communications, public affairs, and advocacy, having served on executive teams in the corporate and non-profit sectors. A tested strategist, her breadth of experience in Washington, DC has resulted in a range of expertise including media relations,

legislative and regulatory campaigns, and coalition building and maintenance. Reams has held several senior non-profit positions including vice president of communications and marketing at a national advocacy organization, chief communications officer for a \$700 million private foundation, and associate director at a national trade association. Reams spent a decade at public affairs firms where she advised Fortune 500 clients. She worked on Capitol Hill for Senator Bob Smith (R-NH) and Congressman Gerald Weller (R-IL11).



Shawn Reifsteck is the Vice President of Philanthropy for ClimateWorks Foundation, where he leads the funder collaboratives, development, and communications teams. Shawn has extensive leadership experience in the fields of philanthropy, environmental conservation, and civic engagement, and has built a reputation in the climate philanthropy community

over much of the past decade as a strategic and collaborative leader. He has held numerous leadership positions with organizations over the past 20 years including with Points of Light, Philanthropy Associates, The Ocean Foundation, and the food bank system in the US. Shawn earned his Masters in Nonprofit Administration from the University of San Francisco, holds a B.A. in Urban Studies from Macalester College, and is a graduate of the Advanced Management Program at the Wharton School—University of Pennsylvania.



Greg Reitman is an American film director, producer, executive producer, writer, author, activist, and public speaker. Described by Movie

Maker Magazine as "one of the top ten filmmakers producing content that impacts our world." He is the founder of Blue Water Entertainment, Inc., an independent production company focusing on environmentally conscious broad-

based entertainment. Widely regarded as Hollywood's "Green Filmmaker" Greg produced the Sundance Audience Award-winning feature documentary *FUEL*. Reitman also wrote, produced, and directed the feature documentary *Hollywood's Magical Island – Catalina* and *ROOTED in PEACE* which won Best Feature Documentary at New York Festivals, debut at the United Nations and released theatrically thru Landmark Theaters. He received a BA at the University of Massachusetts at Amherst. He's a member of the Director's Guild of America, and resides in Los Angeles, living a "green lifestyle."



Luis Reyes has been Chief Executive Officer and General Manager of Kit Carson Electric Cooperative, Inc. (KCEC) since 1993. In

February 2017, KCEC announced the launch of a 10-year agreement with Guzman Energy to develop 35 megawatts of solar arrays by 2022 that will result in solar providing 30 percent of KCEC's total electricity demand—and 100%

during daylight hours on sunny days. Under Reyes' leadership, Kit Carson was awarded funding via the American Recovery and Reinvestment (ARRA) stimulus to build approximately 3,000 square miles of high-speed fiber in Northern New Mexico. The installation of the fiber network facilitates smart grid technology for the renewable energy network.



Chris Riley Co-Founded Guzman Energy and serves as President, overseeing all business operations, strategies, and initiatives.

The son and grandson of rural Utah coal miners, Riley is an experienced entrepreneur and finance executive who is passionate about identifying and correcting complex market inefficiencies in innovative ways. His experience in

the energy sector dates to 1995, when he graduated with honors from the Naval Nuclear Power School. He later served as both Chief Engineer of a guided missile destroyer, as well as the Commanding Officer of a coastal patrol warship, forward deployed to the Arabian Gulf. Prior to launching Guzman Energy, Riley served as Director of Investment Banking at Guzman & Company. He holds a B.S. degree with merit from the United States Naval Academy and an MBA from Harvard Business School.



Governor Bill Ritter was elected Colorado's 41st governor in 2006. During his four-year term, Ritter established Colorado as a

national and international leader in clean energy by building a New Energy Economy. After leaving the Governor's Office in 2011, Ritter founded the Center for the New Energy Economy at Colorado State University, which works with

state and federal policy makers to create clean energy policy throughout the country. Governor Ritter has authored a book that was recently published entitled, *Powering Forward – What Everyone Should Know About America's Energy Revolution*.



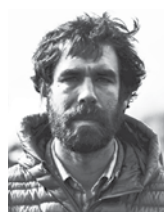
Erin Rogers is a program officer in the **Hewlett Foundation's Environment Program**, which seeks to avoid the worst impacts of climate change while promoting prosperity and health by meeting all energy needs with clean energy. Rogers manages Hewlett's US strategy development and funding portfolio. She makes grants to a wide range of organizations working to reduce global warming pollution from electricity and transportation sources and increase the use of clean energy. Before coming to Hewlett, Rogers was the manager of western states climate work for the Union of Concerned Scientists. She spent more than a decade working on environmental and social justice issues in Texas. She graduated from The University of Texas liberal arts honors program and received a master's degree from Harvard University's John F. Kennedy School of Government.



Henk B. Rogers, Dutch-born American entrepreneur, is on a mission to end the use of carbon-based fuel. He is **Founder and Chairman of Hawaii-based Blue Planet Foundation** (a nonprofit that played a key role in driving the state of Hawaii's mandate of 100% for renewable electricity by 2045, a \$1-barrel tax on oil imported into Hawaii and an annual Hawaii Energy Report Card). He is also the CEO of Blue Planet Energy, an energy storage company featuring the Blue Ion battery system. Rogers had a 30-year career in the computer gaming industry, pioneering role playing games in Japan and making Tetris one of most successful video games of all time. He has spent the last decade advocating environmental protections and pursuing moon/Mars colonization.



John W. Roulac is the **Founder of Nutiva** (1999), the world's leading organic superfoods brand of hemp, coconut, chia, and red palm superfoods. In 2002 Nutiva along with the HIA, Dr Bronners and Nature Path sued the U.S. DEA in the 9th Circuit leading to a successful ruling in 2004 that cleared the way for hemp foods to be legally sold and consumed. He helped jumpstart the modern home-composting movement in the early 1990s and has written four books on environmental topics that have combined sales of over one million copies. A longtime advocate for healthy people and ecosystems, Roulac has founded 5 nonprofit ecological groups including GMO Inside, a group dedicated to educating people on the dangers of GMO foods. He is also co-producer of the *Kiss the Ground* movie.



Will Roush is currently the **Conservation Director at the Wilderness Workshop**; this September he will become the organization's Executive Director. Will has spent his professional life advocating for the protection of public lands and the creation of wilderness areas in western Colorado and across the country. Will is a graduate of Middlebury College and has a master's in Geography and Environmental Science from the University of Victoria examining the impacts of climate change on alpine ecosystems. Will serves on the boards of Earthjustice and Ecojustice, the pre-eminent environmental legal organizations in the U.S. and Canada respectively.



David Sabo is **Head of Global Expansion**. Launched in 2017 it's Europe's first cryptoaccelerator. As a millennial entrepreneur, David has been building businesses since 19. Prior to entering the blockchain industry, he ran his AI-based SaaS firm in London. Now he's a founding partner at the token architecture firm Symbol Network that designs mathematically proven, sustainable token models for startups and corporates.



Hanieh Sadat is a **Managing Partner at GenesysOne Capital**, a hedge fund that invests in digital Assets. She is a former VP of Morgan Stanley, Private Wealth Management. She has been trading traditional assets and managing portfolios for select group of family offices and institutions since 2006. She was a VP at an energy private equity firm based in Asia in 2017. She is the founder of ImpactX – a token generation event advisory firm for impact projects and securing TGE (token generation event) deals for international investors in the past year. She is a treasurer at American Renewable Energy institute foundation in Aspen.



Christopher Salata is a futurist, post-scarcity philosopher, young visionary, and executive director of **501-c3 NYC nonprofit Peace Accelerators**. He is also a prominent NYC environmental and peace activist. When Salata was 26, he cofounded a solar energy company that helped villages across Kenya receive solar electricity for the first time through domestic solar sales in the US. He is now the cofounder and co-leader of the largest young peace community in NYC. This year Peace Accelerators is organizing one of the most preponderant international day of peace events in NY history (with a goal of increasing global collaboration and agility toward sustainable solutions). Salata will be speaking about the social & technical infrastructure of a sustainable planet (peace) through the proliferation and intersection of regenerative energy and other latent exponential technologies.



Dr. Anita Sanchez, Azteca and Mexican-American, is a board member of the **Pachamama Alliance and Bioneers organizations**. Sanchez inspires people to discover and trust their gifts so that they become a life-giving connection to people and to the earth. She has trained tens of thousands of leaders in global corporations and non-profits. Using indigenous wisdom and modern science, she guides leaders in creating caring and inclusive workplaces and communities. TedX presenter of *Humanity's Hope*, Sanchez is an author of four books including #1 international best-selling *Success University for Women in Business*, and *The Four Sacred Gifts*, Simon & Schuster. (www.FourSacredGifts.com). She leads an annual journey into the Amazon rainforest for the Pachamama Alliance, www.pachamama.org, to support people to discover and deepen their purpose and the importance of sustaining our earth.

"You never change things by fighting the existing reality. To change something, build a new model that makes the existing model obsolete."

— Buckminster Fuller



Andrew Scott is the Founder and Executive Director of the Open Mind Project, a non-profit corporation that promotes critical thinking and compassionate dialogue between people of all faiths and perspectives. This spiritual diplomacy includes a reach of over a million followers on social media. OMP examines the personal environmental consequences of religious beliefs and culturally embedded narratives and works with religious leaders and lay-people to promote contextual understanding of faith and religious narratives and encourages peaceful and compassionate engagement. Scott specializes in the psychology and sociology of Religion. He received his Master of Divinity at the Pacific School of Religion at the Graduate Theological Union in Berkeley, CA. His studies include International affairs, Christian Theology, Islamic Philosophy and History, Buddhist meditation, theory and history, anthropology, and the psychology of religion.



John Rutherford Seydel II is the Founder and Chairman of The Oxygen Project, an organization focused around protecting sources of planetary oxygen, with a special emphasis on marine phytoplankton. The organization is solutions-driven and designed to help consumers understand how they can protect this life-sustaining organism, while enriching their lives through financial and health benefits. Seydel is co-founder and chairman of the Upper Chattahoochee Riverkeeper, Inc. He is a limited partner of the Atlanta Hawks NBA Franchise and an officer at the United Nations Foundation and Better World Fund, Inc. Seydel is also a board member of several organizations including Georgia Conservation Voters, Turner Foundation, and Captain Planet Foundation. Seydel is currently a partner at Davis, Pickren, Seydel & Sneed, LLP with a corporate practice focusing on all aspects of sustainability.



Scott Seydel has devoted his career to creating environmental awareness and stewardship. He has chaired the Global Green board and served as a board director on Mikhail Gorbachev's Green Cross (Geneva). He is chair emeritus of the GreenBlue Institute and a founder of its Sustainable Packaging Coalition. Seydel has served as a Director of the National Recycling Coalition and is currently the Vice Chair of the Container Recycling Institute; Chair of the advisory board of Elemental Impact; and a U.S. Trustee of the Ellen MacArthur Foundation. Seydel has also served as Chairman of the Board for Georgia State University's Robinson College, the Atlanta YMCA, the Georgia Hi-Tech Alliance, and the Atlanta Chamber's International Committee during the 1996 Olympic Games. Seydel and Pat Mitchell Seydel share six children and twelve grandchildren.



Charles Seyfert is Chief Technology Officer for FridgeWize Inc. He oversees electric motor technologies, commercialization of Retrofit opportunities and co-development of new applications. In addition, he is responsible for integrating these technologies with existing building systems and taking full advantage of their extensive capabilities. Seyfert is a graduate of Indiana University and a proud Hoosier. He provides a lifelong curiosity for how things work and a natural inclination toward the technological aspects of today's ever-changing built environment. He demonstrates a passion for carbon footprint reduction, and making a positive impact on the environment, through many aspects of his life personal and professional.



Rob Sisson is President of ConservAmerica. He joined its national staff in 2006 and was appointed President in 2009. In 2008, the Michigan League of Conservation Voters named Sisson "Environmental Leader of the Year" for his work as a two term Mayor of the City of Sturgis, Michigan. During his tenure, the City became a model for sustainable environmental practices, which translated into significant savings for taxpayers. Sisson joined ConservAmerica after a 22-year career in banking. In 2000, he was named Michigan's Small Business Advocate of the Year. He is the author of *Financing the Small Business*. He served two terms as President of the St. Joseph County Economic Development Corporation. Sisson is a City of Sturgis Commissioner and a member of the St. Joseph County Republican Party's Executive Committee.



Steve Skadron is the Mayor of Aspen, taking office in 2013. He serves as the President of the Colorado Association of Ski Towns and on the boards of RFTA and the ACRA. He is former Chair of CORE (the Community Office for Resource Efficiency) and an Adjunct Professor of E-Commerce in the Isaacson School of New Media at Colorado Mountain College. Skadron served six years on the Aspen City Council prior to his current position as Mayor. He is the founder of Spooner+Skadron an Aspen based Marketing Communication firm and recently completed all 26.2 miles of Aspen Backcountry Marathon. He's originally from St. Paul, MN.



Jane Sloane is the Director of the Women's Empowerment Program with The Asia Foundation. In this role she provides intellectual and programmatic leadership for The Asia Foundation's programs to empower women and advance gender equality in Asia. This includes leading the foundation's work on women's climate resilience. Sloane's previous roles include Vice President of Programs, Global Fund for Women, Vice President of Development, Women's World Banking (New York) and Executive Director of International Women's Development Agency (Australia). She holds a Master's degree in Peace and Conflict Studies from the University of Sydney and a BA (Hons) from the University of Adelaide. She is an Atlantic Fellow at the Inequalities Institute at London School of Economics and an advisory board member at LSE's Centre for Women, Peace and Security.



Michael Smith is Co-Founder of #globals2020 and Principal of Ponvalley, a family initiative committed to making the world work for 100% of humanity in the shortest time possible. Recently he led the climate subcommittee at the Blockchain For Impact Summit at the United Nations in New York. Two weeks after the election of President Trump, Ponvalley held an emergency climate summit called SharedMission.co with 150 climate warriors including General Wesley Clark, Al Gore, Skoll, Walton, Crow & Steyer Family Offices, Harvard, Columbia, and the US Department of Energy. Smith is a passionate DJ who has performed with Rihanna, Kanye West, Diplo, Guns N Roses, Deadmau5, and many others at events such as Vanity Fair Oscar Parties, SXSW, Art Basel, the Olympics and many more.



Roger Sorkin is an award-winning Producer, Writer and Director of the films *Tidewater* and *The Burden* at the nexus of environment, energy, and national security. He is also the Executive Director of the American Resilience Project, which harnesses the power of film to influence public policy, behavioral change, and investments in solutions to our environmental challenges. Sorkin is an alumnus of the U.S. Army War College's National Security Seminar, and a fellow with the Truman National Security Project. He has served as a communications advisor to NATO, a delegate to the Electric Infrastructure Security Council, and he currently serves as an advisor to the Center for Climate and Security.



Ellen B. Stechel is Co-Director, ASU LightWorks; Professor of Practice, School of Molecular Sciences; and Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability at Arizona State University (ASU.) Her career has afforded her opportunities to build and/or coordinate research programs at a national laboratory, industry, a U.S. government agency, and now in higher education at ASU; in both basic and applied research; policy and commercialization of emerging technologies; and in multi-disciplinary R&D strategy and management. She has held and holds numerous positions of an advisory or editorial capacity nationally and internationally and has published >100 peer reviewed articles. Her current research focuses on materials and systems design for concentrating solar technologies to produce sustainable liquid hydrocarbons from carbon dioxide, advanced water splitting, thermochemical energy storage, and clean water.



Dr. Greg Stone, Executive Vice President of Conservation International, is one of the world's leading authorities on marine conservation policy and ocean health issues. Stone is a lifelong scientific explorer and prolific diver, with more than 8,000 dives to date in every sea on Earth. He is currently vice chair of the World Economic Forum's Global Council on Ocean Governance and has received numerous awards. Stone has given a TED talk and appeared in *Discovery Channel* and *National Geographic* documentaries. He is a National Fellow of the Explorers Club, a recipient of the Pew Fellowship for Marine Conservation, an honorary associate professor at the Leigh Marine Laboratory at the University of Auckland, New Zealand and was named one of the five "Bostonians of the Year" by the Boston Globe in 2008.



Barney Swan is the International Director of ClimateForce. Globally recognized in the world of adventure and sustainable development, Swan is the first person to ski to the South Pole powered by renewable energy. Traversing 1000 kilometers over 65 days, he survived using NASA designed solar ice melters, lithium batteries, and biofuel made from waste. On return, Swan was invited to The World Economic Forum to share his success. The incredible journey marked the launch of the ClimateForce challenge, a solution driven mission to clean-up 326 million tons of CO2 before the year 2025. Barney was born in London and was raised in tropical Far North Queensland, Australia. Being raised off grid instilled at an early age a heightened respect for the value of energy, basic necessity, and everyday convenience. Barney's passion for the planet motivates him daily to build his legacy through tangible impact that can be attainable by all.



Bill Tai is a Chair of Strategy/Board Director at BitFury, and Chairman of Hut 8, North America's largest publicly listed Cryptocurrency miner. Tai has been building startups as a VC since 1991 and is a leading figure in the Blockchain segment. He is an Ambassador/Board Advisor to P2P Energy Company Power Ledger, and creator of the annual Blockchain Summit on Necker Island. He is committed to a Green Energy future and Chairman of 501(c)3 ACTAI Global. Originally trained as a computer chip designer, he joined LSI Logic, then completed an MBA at Harvard. He was issued badge #A001 at TSMC, now among the most valuable tech companies in the world and was Founding CEO of iAsiaWorks (IPO via Goldman Sachs & Morgan Stanley) and Founding Chairman of IPinfusion (Tokyo:4813).



Woody Tasch, Founder and Chairman, Slow Money, is regarded as a pioneer of the concepts of patient capital, mission-related investing, and community development venture capital. Slow Money, the Colorado based nonprofit alliance, took root in 2009 with Tasch's book *Inquiries into the Nature of Slow Money: Investing as if Food, Farms, and Fertility Mattered*. Tasch served 10 years as chairman of Investors' Circle, was founding chairman of the Community Development Venture Capital Alliance, and treasurer of the Jessie Smith Noyes Foundation during the '90s. Tasch is currently writing a sequel to his recently published eBook, *Staring the Pig in the Face*. To date, Slow Money investors around the country have invested more than \$30 million in more than 200 small food businesses including: farms, creameries, grain mills, local processing, distribution, and seed companies.



Harry B. Teague is President and Principal Designer of Harry Teague Architects. Teague's work is distinguished by freshness of design approach, inventive planning strategies, and attention to the craft of construction. His diverse practice includes architectural design, site planning, industrial design, and community facilitation. An experienced builder, Teague has reinvented Colorado vernacular architecture and transformed it by his skilled and thoughtful introduction of contemporary materials and building technologies. A pioneer in holistic green design, he has introduced many practical green design strategies that common best building practices today.



Hannah Testa, an Atlanta native, is the 15-year-old founder of Hannah4Change, a platform to raise awareness to her important causes including animal rights, plastic pollution, and youth empowerment. She is particularly well-known for conceiving and spearheading Plastic Pollution Awareness Day in her largely conservative state. She was also able to introduce a bill to stop trafficking of rhino horn and ivory in Georgia. She has received numerous honors and awards, including Young Superhero for Earth Award from the Captain Planet Foundation, Teen EarthDay Hero by CNN, and the Presidential Volunteer Service Award. She currently serves on the Advisory Board of the 5 Gyres Institute and is an Ambassador for Plastic Pollution Coalition and Lonely Whale Foundation. She also serves as Co-President for Animal Hero Kids.



Nick Thomas is a moderate Independent candidate for Colorado's 2nd Congressional District. He is running to help restore cooperation

to the process of governing – aiming to find lasting bipartisan solutions to issues like healthcare, climate change and energy development, education costs, and infrastructure investment. Thomas earned his BA in Political Science from Colorado State University, his MA in International Diplomacy from Josef Korbel School at University of Denver, and his MBA in International Business from Hult. He has gained experience working in property management, tech startups, education, travel, and aviation. Thomas started his political career at the Georgia State Capitol and working with the Fund for Southern Communities. He worked with both parties in Colorado, including the CSU College Republicans and as an aide to Democratic State Senator Ron Tupa.



Robin Tyner, a professional oceanographer, retired from 30+ years active duty Navy service in 2017. While on active duty, she served in multiple

critical leadership roles on sea duty, shore duty, flying orders, and in the Pentagon. She has a strong background in executive leadership and management, oceanography, science, and technology development, forecasting and hurricane/typhoon support, WMD, and Arctic policy/research. She holds a BS in Physics/Oceanography from the US Naval Academy, an MBA from Southern New Hampshire University, and a dual-MS in Physical Oceanography and Meteorology from the Naval Post-Graduate School, Monterey. She also holds certifications from UVA Darden School of Business and Defense Acquisition University. Personal interests include most outdoors sports/activities, and a dedication to wilderness, wildlife, clean water, clean energy, and curbing pesticide/herbicide use.



Marc van Hoof is currently the Chief Operating Officer of P2P energy company Power Ledger. With a passion for behavioral

psychology and disruptive technology projects, He is drawn to projects that make revolutionary technology simple and accessible for widespread positive impact. He has held many roles in the technology industry since 1995, building early stage Internet Service Providers, Data Centers, and Internet SaaS companies. With over 2 decades experience in engineering and technology architectures, van Hoof has watched the impact of multiple technology “waves” that have changed the world. As a devoted environmentalist and advocate for animal rights, van Hoof is committed to a Green Energy and pollution free future and has spent the last 5 years running environmental projects for 501(c)3 ACTAI Global.



Heidi VanGenderen is currently CU Boulder's first Chief Sustainability Officer.

She has worked on sustainability issues in the non-profit, public, academic, and private sectors as an organizer, writer, researcher, and public speaker for most of her professional career. She returned home to Colorado from Washington, DC where she served as the Director of Public Engagement at the U.S. Department of Energy as an appointee of President Barack Obama. Prior, VanGenderen was Director of National Outreach for the American Council on Renewable Energy (ACORE) and Senior Energy Advisor for the Worldwatch Institute. She served as Colorado's first gubernatorial climate advisor for Governor Bill Ritter. She staffed the Wirth Chair in Sustainability at CU Denver and served as Deputy Director of the Presidential Climate Action Project. She is an alumna of Carleton College.



Eden Vardy is the Founder and Executive Director of The Farm Collaborative (formerly Aspen TREE), a Roaring Fork Valley nonprofit that

connects children and the community to nature and their food system and solves global climate challenges through local food production. Passionate about leaving the world better for future generations, Vardy is dedicated to curating environmental solutions, namely around agriculture. The Farm Collaborative just celebrated their 10th annual Farm to Table FREE Community Meal that served 1,500 seated guests 100% locally grown food in Aspen. They were also recently awarded a 20-year lease on a 14-acre town park (the FarmPark) by the city of Aspen, where they are building their flagship “Farm to Community” education, incubation, and resource center, a model Vardy plans to support other communities in implementing around the world.



Doug Vilsack, Legislative Liaison with the Colorado General Assembly helps to develop, implement, and enhance DNR policies focused

on Colorado's land, water, and natural resources. Prior to joining DNR, Vilsack was the founding Executive Director of the Posner Center for International Development, a shared work-space and network for international development organizations in Colorado. He is also the founder of Elephant Energy, a social venture that distributes household solar products in Southern Africa. Vilsack is also an attorney specializing in natural resources law. He received his J.D. from University of Colorado Law School and his B.A. from Colorado College.



Tom Vilsack, as President and CEO, provides strategic leadership and oversight of USDEC's global promotional and research

activities, regulatory affairs, and trade policy initiatives. This includes working with industry leaders to develop a long-term vision for building sales and consumer trust in U.S. dairy. Vilsack joined USDEC in January 2017 after serving eight years as the nation's 30th Secretary of Agriculture, where he worked to strengthen the American agricultural economy, build vibrant rural communities, and create new markets for the innovation of rural America. Vilsack was the longest serving member of President Obama's original Cabinet. Prior to his appointment, he served two terms as the governor of Iowa, in the Iowa State Senate and as the mayor of Mt. Pleasant, Iowa.



Dr. Itef Vita, aka DJ Cavem, recently received his PhD Honorary Doctorate Degree in Urban Ecology from Denver Institute of Urban

Studies and Adult College as well featured on *The Rachel Ray Show*, is an educator, emcee, personal vegan/raw food chef for NBA Player Wilson Chandler, producer, organic gardener, midwife, graffiti artists, Bboy Yogi award winning environmental activist, the father of Eco-Hiphop and founder of Sprout that Life aka Going Green Living Bling, and co-founder of Culinary Concerts. 2014 Music Educator Grammy Nominated DJ Cavem was also featured in *Oprah Magazine*, *Yes! Magazine*, and has now released his new juicer with Champion on the *Sway in the Morning* show.



Captain Paul Watson is a marine wildlife conservation and environmental activist.

Watson was one of the founding members and directors of Greenpeace. In 1977 he founded the Sea Shepherd Conservation Society. A renowned speaker, accomplished author, master mariner, and lifelong environmentalist, Watson has been awarded many honors

for his dedication to the oceans and to the planet. He received the Genesis Award for Lifetime Achievement in 1998, was named as one of the Top 20 Environmental Heroes of the 20th Century by *Time Magazine* in 2000 and was inducted into the U.S. Animal Rights Hall of Fame in Washington D.C. in 2002. He was also awarded the Amazon Peace Prize by the president of Ecuador in 2007. In 2012, Watson was awarded the Jules Verne Award, dedicated to environmentalists and adventurers.



Eli Weiss, Photographer, Philanthropist and Wildlife Conservationist lives in Woody Creek, CO. WildiZe Foundation® was founded in 2000

to promote Education, Security and Environmental Ethics in Conservation. WildiZe® is dedicated to the conservation of wildlife, habitats, and indigenous cultures of Africa. Establishing direct relationships between people and

projects, supporting conservation efforts, educational programs, and sustainable indigenous economies. With three decades of experience, Weiss has worked with experts and leaders in the field, administering over \$3 million of public and private grant funding across multi-varied programs: from species specialists, wildlife security to marginalized community groups, giving her a well-rounded depth of knowledge critical to raising awareness of the various issues toward implementing solid solutions based on science, the environment and culture.



Jeff Weiss co-founded **Distributed Sun (DSUN)** in 2009 and is Co-Chairman and Managing Director. DSUN develops and operates

Community Solar, C&I and Utility scale projects in eleven states. He leads capital formation, business development, strategy, and governance. An early digital media and commerce entrepreneur, Weiss has led companies in

renewable energy, cyber & physical security, intelligence & corporate fraud mitigation, mission preparedness and training, software development, & transformational management. He graduated from Cornell and Wharton; is Washington Leadership Co-Chairman of Business Executives for National Security (BENS); is Board member of the Atkinson Center for Sustainability and is Trustee Council member of Cornell University; serves on the Executive Committee of DC's oldest synagogue; is past Co-Chair of the Aspen Institute's Socrates Society and founding director of Shenandoah National Park Trust.



Brianne West is the Founder and CEO of **Ethique**, the world's first (and only) zero waste full range cosmetics company. Ethique manufactures

solid beauty bars providing waste free alternatives to traditional liquid products, such as shampoo, body lotions and much more. She started her first company at age 19 and has since successfully launched and sold two others.

She is now entirely focused on Ethique and ridding the world of plastic waste associated with the cosmetics industry. Ethique was launched in 2012 while West was completing her BSc degree in biology through the University of Canterbury. West is passionate about creating a sustainable future and as such Ethique is committed to ethical and sustainable practices and is a certified B-Corp.



Daniel R. Wildcat is a Yuchi member of the Muscogee Nation of Oklahoma. He is a

member of the Indigenous & American Indian Studies Program at Haskell Indian Nations University in Lawrence, Kansas. In 2013 he was the Gordon Russell visiting professor of Native American Studies at Dartmouth College. He has served as adjunct faculty for the Bloch

School - UMKC for the past decade. Dr. Wildcat received B.A. and M.A. degrees in sociology from the University of Kansas and an interdisciplinary Ph.D. from the University of Missouri at Kansas City. His service as teacher and administrator at Haskell spans 32 years.



PJ Wilson established the **501c3 nonprofit Solar for Puerto Rico** to distribute small solar kits across the island, and the trade association

Solar & Energy Storage Association of Puerto Rico to represent companies dedicated to the swift transformation to a sustainable energy paradigm. He relocated to Puerto Rico after hurricane Maria to help re-energize the island

with renewable energy. Wilson holds a B.S. in Civil Engineering from the University of Southern California, is a Returned Peace Corps Volunteer (Honduras), and has spurred development of over \$3 billion in solar, wind and energy efficiency in Missouri by implementing pragmatic clean energy policy development. He considers himself a serial nonprofit entrepreneur and excels at building self-sustaining institutions crucial to addressing today's pressing energy challenges.



Aimee Witteman leads the **McKnight Foundation's Midwest Climate & Energy program**, which focuses on clean energy

promotion and development in the Midwest. The Midwest Climate & Energy program was launched in 2013 under Witteman's direction after she led the board and senior staff in a redesign of its predecessor. Witteman has leveraged

grants, impact investments, and engagement of public and private leaders to advance deep decarbonization of the region's energy system. Previously, Witteman served as McKnight's Environment program officer specializing in water quality and agriculture systems. Outside of philanthropy, she has held leadership positions in several nonprofit organizations, guiding public policy advocacy, strategic communications, and coalition campaign efforts. Witteman has an MS in agriculture science and policy from Tufts University.



Julie Ann Wrigley is a business leader, lawyer, investor, avid equestrian, and philanthropist who is committed to sustainability

and the environment, health care and education. She provided the vision and investment to create the Julie Ann Wrigley Global Institute of Sustainability at Arizona State University. She is also co-founder, with her late husband, of

the USC/Wrigley Institute for Environmental Studies. She holds a bachelor's degree in anthropology from Stanford University and a Juris doctorate, summa cum laude, from the University of Denver's College of Law.



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AREDAY Expo!

A showcase for local, regional and national organizations and companies with a focus on energy efficiency, renewable energy, sustainable initiatives, or eco-friendly products that will also include workshops, guest speakers and music.

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CRMPI
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FattE-Bikes
Freedom Folding Bikes
Guzman Energy

Nature Needs Half
Optibikes
OS Beehives
Projects for Good, Inc.
Rocky Mountain Wolf Project
Solar Rollers
Susan George
The Other Side Ranch



EXPLORE

VALLE MUSICO

Friday: 3pm – 6pm

Other musical guests include:

Dan Sheridan • Friday 12pm – 3pm

Suzzane Paris • Friday & Saturday 3pm – 6pm

EXPLORE

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A featured selection of electric and hybrid vehicles with opportunities available to test drive, speak with EV owners and learn about state and federal tax cuts for EV purchases.

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Boulder Nissan



Vendor Exhibits in YELLOW zone below



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AREDAY Expo! Participants

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Aspen TREE
Cheetah Conservation Fund
Dan Sheridan
Elevated Elixirs
FattE-Bikes
Freedom Folding Bikes
Guzman Energy
Nature Needs Half
Optibikes
OS Beehives
Projects for Good, Inc.
Rocky Mountain Wolf Project
Solar Rollers
Susan George
Suzzane Paris
The Other Side Ranch
Valle Musico

Summit Exhibitors

Aspen Global Change Institute
ASU LightWorks
Cheetah Conservation Fund
Explore Books
Guzman Energy
Julie Ann Wrigley Global Institute
of Sustainability
Open Mind Project
Projects for Good, Inc.

Global Security, Conservation Capitalism & Regeneration: Whole Systems Solutions to Climate Change

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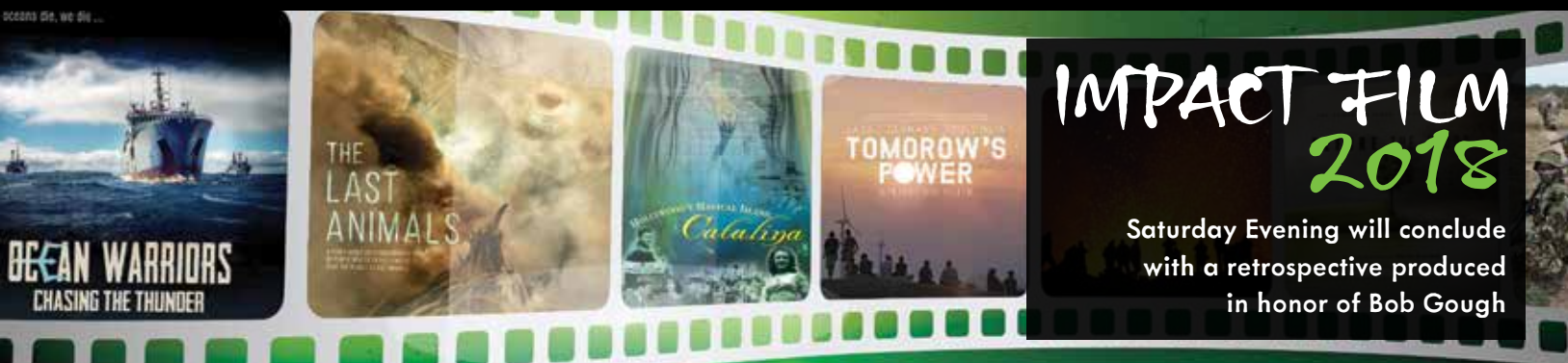
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FRIDAY, JUNE 22ND

THE HUMAN ELEMENT | 10:00AM

Director: Matthew Testa (78 min)

Producers: Olivia Ahnemann & Daniel Wright

With rare compassion and heart, THE HUMAN ELEMENT highlights Americans who are on the frontlines of climate change, inspiring us to re-evaluate our relationship with the natural world.

Followed by Q&A with Environmental Photographer James Balog

TOMORROW'S POWER | 11:45AM

Director: Amy Miller (76 min)

Producer: Byron A. Martin

Local activists in Gaza, Germany, and Colombia challenge fossil-fuel dependency and power structures in a struggle for social and climate justice. TOMORROW'S POWER showcases three communities around the world and their responses to economic and environmental emergencies.

CARBON NEGATIVE | 1:15PM

Director & Producer: Paul Atkins (15 min)

Executive Producer: Patrick Furlotti

The history of our planet is written in carbon. But we are quickly hitting a hard ceiling of bearable CO2 levels in our atmosphere. CARBON NEGATIVE spotlights the urgency: is it possible to reverse CO2 emission levels to survive on this planet, and create an entirely new thriving global carbon market?

Followed by Q&A with Paul Atkins & Paul Furlotti, Global Mana

THE LAST ANIMALS | 1:45PM

Director: Kate Brooks (92 min)

Producer: Stephanie Soechtig

In this sweeping and sobering expose, conflict photographer Kate Brooks turns her lens from the war zones she is used to covering to a new kind of genocide - the killing of African elephants and rhinos.

Followed by Q&A with Filmmaker & Photographer Kate Brooks

ROCKY MOUNTAIN WOLF PROJECT SERIES | 3:45PM

CHORUS OF COLORADO (2 min)

MEET THE REAL WOLF (2 min)

CANIS LUPUS COLORADO (18 min)

GREAT OLD BROADS FOR WOLVES (5 min)

RANCHERS CONNIE AND MARK HARVEY (3 min)

The Rocky Mountain Wolf Project aims to improve public understanding of gray wolf behavior, ecology, and options for re-establishing the species in Colorado. The benchmark of our success: Wolves again roaming the snow-capped peaks, rim rock canyons, and primeval forests of western Colorado.

Followed by Q&A with Mike Phillips, TESF

WILD DAZE | 4:45PM

Director & Producer: Phyllis Stuart (100 min)

Set on the African continent this gorgeous new documentary, WILD DAZE shows intimate and inspiring stories against the backdrop of a pressing environmental ecocide but offers viewers simple ways to personally engage in biodiversity conservation.

Followed by Q&A with Filmmaker Phyllis Stuart

SATURDAY, JUNE 23RD

OCEAN WARRIORS: CHASING THE THUNDER | 10:00AM

Director: Mark Benjamin & Marc Levin (100 min)

Producer: Katie Carpenter

Chasing the Thunder is a high-seas documentary about the Sea Shepherd's epic 110-day, 10,000-mile chase of the "Thunder," considered the world's most notorious poaching vessel.

HOPE ON THE HUDSON SERIES | 11:45AM

Director & Producer: Jon Bowermaster

SEEDS OF HOPE (35 min)

RESTORING THE CLEARWATER (20 min)

CITY ON THE WATER (7 min)

With 520-miles of waterfront and four-out-of-five boroughs islands, New York City is truly a water city. We spent several months filming both the natural water landscape and the activists trying to improve its health.

HOLLYWOOD'S MAGICAL ISLAND-CATALINA | 1:00PM

Director & Producer: Greg Reitman (52 min)

Using rare 16mm archival film and vintage black & white still photographs, inter-cut with interviews of longtime island residents, historians and celebrities, HOLLYWOOD'S MAGICAL ISLAND chronicles Catalina from the Wrigley era through the present day.

OCEAN TO OCEAN | 2:00PM

Director & Producer: CJ Palmer (4 min)

Sustainable Soundtracks Video

KISS THE GROUND TRAILER | 2:05PM

Director: Josh Tickell (3 min)

THE CREATION OF THE PERCEPTION OF SCARCITY

WHERE NOTHING EXISTS | 2:10PM

Director: William McDonough (4 min)

NATURE NEEDS HALF SERIES | 2:15PM

Presented by Steve Michelson (shorts)

Nature Needs Half Media is a team of communication experts who create educational content to restore and protect biodiversity.

Followed by Q&A with Amy Lewis, WILD Foundation

BEFORE THE FLOOD | 3:00PM

Director: Fisher Stevens (90 min)

Producer: Leonardo DiCaprio

The film looks at how climate change affects our environment and what society can do to prevent the demise of endangered species, ecosystems and native communities across the planet.

NATIVE WIND | 4:30PM

Director & Producer: Chip Comins (15 min)

Executive Producers: Pat Spears, Bob Gough & Adrienne Bramhall

Tribal wind power development creates economic opportunity for Native American Tribes while addressing global warming and climate change.

Followed by Q&A with Chip Comins, American Spirit Productions



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AREDAY Notes

“Plans to protect air and water, wilderness and wildlife are in fact plans to protect man.” — Stewart Udall

Global Security, Conservation Capitalism & Regeneration: Whole Systems Solutions to Climate Change



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ECO STEWARD



CLIMATE DEFENDER



THE ASPEN TIMES



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